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 OM protein - protein search, using sw model
 Run on: December 29, 2003, 16:31:33 ; Search time 21 Seconds
 Perfect score: US-09-895-263B-4

Sequence: 1 MENTENSVDSKSIKLEPKT.....AKKQIPCIVSMLTKELYFYH 277
 Scoring table: BLOSUM62
 Gappen 10.0 , Gapext 0.5
 Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 277631
 Minimum DB seq length: 0
 Maximum DB seq length: 277

Post-processing: Maximum Match 0%
 Listing first 45 summaries

Database : Issued Patents AA:/*
 1: /cgns_5_ptodata/1/1aa/5A_COMB.pep:/*
 2: /cgns_5_ptodata/1/1aa/5B_COMB.pep:/*
 3: /cgns_6_ptodata/1/1aa/6A_COMB.pep:/*
 4: /cgns_6_ptodata/1/1aa/6B_COMB.pep:/*
 5: /cgns_6_ptodata/1/1aa/PTUS_COMB.pep:/*
 6: /cgns_6_ptodata/1/1aa/backfiesi.pep:/*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	1463	100.0	277	3 US-08-591-605-2 Sequence 2, Appli
2	1463	100.0	277	3 US-08-591-605-2 Sequence 6, Appli
3	1463	100.0	277	3 US-08-591-605-2 Sequence 4, Appli
4	1463	100.0	277	3 US-08-591-605-2 Sequence 5, Appli
5	1463	100.0	277	4 US-09-069-138-6 Sequence 6, Appli
6	1463	100.0	277	4 US-09-124-934A-4 Sequence 4, Appli
7	1463	100.0	277	4 US-08-134-251D-4 Sequence 4, Appli
8	1460	99.8	277	4 US-09-161-756-12 Sequence 12, Appli
9	1460	99.8	277	4 US-09-227-721-12 Sequence 12, Appli
10	1460	99.8	277	4 US-08-993-502-30 Sequence 5, Appli
11	1460	99.8	277	4 US-08-774-38D-05 Sequence 5, Appli
12	1460	99.8	277	4 US-09-516-747-30 Sequence 10, Appli
13	1460	99.8	277	5 PCT-US96-1051-30 Sequence 10, Appli
14	1453	99.3	277	3 US-08-944-300-10 Sequence 10, Appli
15	1453	99.3	277	4 US-09-059-138-10 Sequence 10, Appli
16	1453	99.3	277	4 US-08-890-542A-2 Sequence 30, Appli
17	1304	89.1	277	2 US-08-964-308-11 Sequence 30, Appli
18	761	52.0	148	3 US-08-964-313-11 Sequence 11, Appli
19	761	52.0	148	3 US-09-069-138-11 Sequence 11, Appli
20	418.5	28.6	204	4 US-08-446-921-7 Sequence 7, Appli
21	418.5	28.6	204	2 US-09-145-331-7 Sequence 7, Appli
22	418.5	28.6	204	2 US-08-895-885-7 Sequence 7, Appli
23	418.5	28.6	204	2 US-09-377-256-7 Sequence 7, Appli
24	418.5	28.6	204	4 US-09-377-156-7 Sequence 7, Appli
25	418.5	28.6	204	4 US-09-377-156-7 Sequence 7, Appli
26	342.5	23.4	265	4 US-08-983-502-20 Sequence 20, Appli
27	342.5	23.4	233	4 US-09-516-747-20 Sequence 20, Appli

RESULT 1
 US-08-591-605-2
 ; Sequence 2, Application US/08591605
 ; Patent No. 6060238
 GENERAL INFORMATION:
 APPLICANT: Dixit, Vishva M.
 TITLE OF INVENTION: METHOD AND COMPOSITION FOR REGULATING
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: MORRISON & FOERSTER
 STREET: 755 PAGE MILL ROAD
 CITY: PALO ALTO
 STATE: CA
 COUNTRY: USA
 ZIP: 94044-1018
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC DOS/M-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/591,605
 FILING DATE: 09-FEB-1996
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: KONSKI, ANTONINETTE F.
 REGISTRATION NUMBER: 34,202
 REFERENCE/DOCKET NUMBER: 20344-21036-21
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 813-5500
 TELEFAX: (415) 494-0752
 TELEX: 776141 MRSHNOE SFO
 INFORMATION FOR SEO ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 277 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

Query Match Similarity 100.0%; Score 1463; DB 3; Length 277;
 Best Local Similarity 100.0%; Pred. No. 2.2e-161; Indels 0; Gaps 0;
 Matches 277; Conservative 0; Mismatches 0;

Sequence 20, Appli
 Sequence 4, Appli
 Sequence 4, Appli
 Sequence 2, Appli
 Sequence 2, Appli
 Sequence 5, Appli
 Sequence 5, Appli
 Sequence 34, Appli
 Sequence 34, Appli
 Sequence 29, Appli
 Sequence 27, Appli
 Sequence 22, Appli
 Sequence 9, Appli
 Sequence 33, Appli
 Sequence 28, Appli
 Sequence 22, Appli
 Sequence 7, Appli
 Sequence 30, Appli
 Sequence 25, Appli
 Sequence 25, Appli
 Sequence 28, Appli

QY 1 MENTENSVDSKSIKLEPKT.....AKKQIPCIVSMLTKELYFYH 60
 Db. 1 MENTENSVDSKSIKLEPKT.....AKKQIPCIVSMLTKELYFYH 60
 QY 61 MTSRSQTDYDANJRETFRNLYKEVRNKGDLTREERIVLMRDVSKEDHSKRSSFCVLLS 120

RESULT 2
 US-08-964-308-6
 ; Sequence 6, Application US/08964308
 ; Patent No. 6006715
 ; GENERAL INFORMATION:
 ; APPLICANT: DESVARAIS, SYLVIE
 ; APPLICANT: FRISEN, RICHARD
 ; APPLICANT: ZAMONI, ROBERT
 ; TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
 ; TITLE OF INVENTION: BINDING ASSAY
 ; NUMBER OF SEQUENCES: 15
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: ROBERT J. NORTH - MERCK & CO., INC.
 ; STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
 ; STATE: NJ
 ; COUNTRY: USA
 ; ZIP: 07065
 ; COMPUTER READABLE FORM:
 ; COMPUTER: Floppy diskette
 ; OPERATING SYSTEM: IBM PC Compatible
 ; SOFTWARE: PassSeq for Windows version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/964,308
 ; FILING DATE: 04-NOV-1996
 ; CLASSIFICATION: 530
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: NORTH, ROBERT J
 ; REGISTRATION NUMBER: 27,366
 ; REFERENCE DOCKET NUMBER: 19840 PCT
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 731-594-7262
 ; TELEFAX: 731-594-4720
 ; TELEX:
 ; INFORMATION FOR SEQ ID NO: 6:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 277 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; US-08-964-308-6
 ; Query Match 100.0%; Score 1463; DB 3; Length 277;
 ; Best Local Similarity 100.0%; Pred. No. 2.2e-161; Mismatches 0; Indels 0; Gaps 0;
 ; Matches 277; Conservative 0;
 ; QY 1 MENTENSVDSSKISKOLEPKTNGESEMSMGISDNYSKMDYPMGLCIIINNKFHSTG 60
 ; 1 MENTENSVDSSKISKOLEPKTNGESEMSMGISDNYSKMDYPMGLCIIINNKFHSTG 60
 ; Db 1 MENTENSVDSSKISKOLEPKTNGESEMSMGISDNYSKMDYPMGLCIIINNKFHSTG 60
 ; 1 MENTENSVDSSKISKOLEPKTNGESEMSMGISDNYSKMDYPMGLCIIINNKFHSTG 60
 ; QY 61 MTSRGTDVDAANIRETRFRNKYEVNRNDLTREIVLMDVSKEHSKRSFVCVLLS 120
 ; 61 MTSRGTDVDAANIRETRFRNKYEVNRNDLTREIVLMDVSKEHSKRSFVCVLLS 120
 ; Db 61 MTSRGTDVDAANIRETRFRNKYEVNRNDLTREIVLMDVSKEHSKRSFVCVLLS 120
 ; QY 121 HGEEGIIFGNGPVDLKKITNFFGDRCRSLTRPKPFIQACRGTELDGCGIEDSGVDD 180
 ; 121 HGEEGIIFGNGPVDLKKITNFFGDRCRSLTRPKPFIQACRGTELDGCGIEDSGVDD 180
 ; Db 121 HGEEGIIFGNGPVDLKKITNFFGDRCRSLTRPKPFIQACRGTELDGCGIEDSGVDD 180
 ; QY 181 DMACKIPVEADFLYAVSTARGYSSWRNSKGDSWFIOSLCAMLKQYADKLEFMELTRVN 240
 ; 181 DMACKIPVEADFLYAVSTARGYSSWRNSKGDSWFIOSLCAMLKQYADKLEFMELTRVN 240
 ; Db 181 DMACKIPVEADFLYAVSTARGYSSWRNSKGDSWFIOSLCAMLKQYADKLEFMELTRVN 240
 ; QY 241 RVATFPESFDATHAKQIPCVSMLTKELYFH 277
 ; 241 RVATFPESFDATHAKQIPCVSMLTKELYFH 277
 ; Db 241 RVATFPESFDATHAKQIPCVSMLTKELYFH 277
 ; QY 241 RVATFPESFDATHAKQIPCVSMLTKELYFH 277
 ; RESULT 3
 ; US-08-462-969B-4
 ; Sequence 4, Application US/08462969B
 ; Patent No. 6007150
 ; GENERAL INFORMATION:
 ; APPLICANT: He, Wei Wu et al.
 ; TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Human Genome Sciences, Inc.
 ; STREET: 9410 Key West Ave.
 ; CITY: Rockville
 ; STATE: MD
 ; COUNTRY: USA
 ; ZIP: 20850
 ; COMPUTER READABLE FORM:
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS DOS
 ; SOFTWARE: Patent Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/452,969B
 ; FILING DATE: 05-JUN-1995
 ; CLASSIFICATION: 514
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/334,251
 ; FILING DATE: 11-NOV-1994
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Brookes, A. Anders
 ; REGISTRATION NUMBER: 36,373
 ; REFERENCE DOCKET NUMBER: PFA40P1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 301-309-8504
 ; TELEFAX: 301-309-8439
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 277 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-462-969B-4
 ; Query Match 100.0%; Score 1463; DB 3; Length 277;
 ; Best Local Similarity 100.0%; Pred. No. 2.2e-161; Mismatches 0; Indels 0; Gaps 0;
 ; Matches 277; Conservative 0;
 ; QY 1 MENTENSVDSSKISKOLEPKTNGESEMSMGISDNYSKMDYPMGLCIIINNKFHSTG 60
 ; 1 MENTENSVDSSKISKOLEPKTNGESEMSMGISDNYSKMDYPMGLCIIINNKFHSTG 60
 ; Db 1 MENTENSVDSSKISKOLEPKTNGESEMSMGISDNYSKMDYPMGLCIIINNKFHSTG 60
 ; 1 MENTENSVDSSKISKOLEPKTNGESEMSMGISDNYSKMDYPMGLCIIINNKFHSTG 60
 ; QY 61 MTSRGTDVDAANIRETRFRNKYEVNRNDLTREIVLMDVSKEHSKRSFVCVLLS 120
 ; 61 MTSRGTDVDAANIRETRFRNKYEVNRNDLTREIVLMDVSKEHSKRSFVCVLLS 120
 ; Db 61 MTSRGTDVDAANIRETRFRNKYEVNRNDLTREIVLMDVSKEHSKRSFVCVLLS 120
 ; QY 121 HGEEGIIFGNGPVDLKKITNFFGDRCRSLTRPKPFIQACRGTELDGCGIEDSGVDD 180
 ; 121 HGEEGIIFGNGPVDLKKITNFFGDRCRSLTRPKPFIQACRGTELDGCGIEDSGVDD 180
 ; Db 121 HGEEGIIFGNGPVDLKKITNFFGDRCRSLTRPKPFIQACRGTELDGCGIEDSGVDD 180
 ; QY 181 DMACKIPVEADFLYAVSTARGYSSWRNSKGDSWFIOSLCAMLKQYADKLEFMELTRVN 240

RESULT 4
US-08-964-313-6
Sequence 6, Application US/08964313
Patent No. 6,114,132
GENERAL INFORMATION:
APPLICANT: DESMARais, SYLVIE
APPLICANT: FRIESEN, RICHARD
APPLICANT: GRESSER, MICHAEL
APPLICANT: KENNEDY, BRIAN
APPLICANT: NICHOLSON, DONALD
APPLICANT: RAMACHANDRAM, CHIDAMBARAM
APPLICANT: SKOREY, KATHRYN
APPLICANT: FORD-HUTCHINSON, ANTHONY
TITLE OF INVENTION: PHOSPHATASE BINDING ASSAY
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: Rahway
STATE: NJ
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08 964, 313
FILING DATE: 04-NOV-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 10/030, 408
FILING DATE: 04-NOV-1996
APPLICATION NUMBER: PCT/CA97/00825
FILING DATE: 03-NOV-1996
ATTORNEY/AGENT INFORMATION:
NAME: DURETTE, PHILIPPE L.
REGISTRATION NUMBER: 35, 125
REFERENCE/DOCKET NUMBER: 19824Y

TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-4568
TELEFAX: 732-594-4720
TELEX:
INFORMATION FOR SEO ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Peptide
US-08-964-313-6

Query Match 100.0%; Score 1463; DB 3; Length 277;
Best Local Similarity 100.0%; Pred. No. 2.2e-161; Indels 0; Gaps 0;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENTENSVSKISKIQLKEPKIHSSESMSGSIISLDNSYKMDYEMGLCIINNKNFHKGSTG 60
Db 1 MENTENSVSKISKIQLKEPKIHSSESMSGSIISLDNSYKMDYEMGLCIINNKNFHKGSTG 60
QY 61 MTSISGTDYDAANRRETFRNLKVYEVRNKNDLTREIIVLMRDVSKEDHSKRSFVCULLS 120
Db 61 MTSISGTDYDAANRRETFRNLKVYEVRNKNDLTREIIVLMRDVSKEDHSKRSFVCULLS 120

RESULT 5
US-09-069-138-6
Sequence 6, Application US/09069136
Patent No. 6,348,572
GENERAL INFORMATION:
APPLICANT: DESMARais, SYLVIE
APPLICANT: FRIESEN, RICHARD
APPLICANT: LEBLANC, YVES
APPLICANT: ROY, PATRICK
APPLICANT: YOUNG, ROBERT N.
APPLICANT: ZAMBONI, ROBERT
TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: Rahway
STATE: NJ
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Diskette
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/069,136
FILING DATE: 29-APR-1998
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: DURETTE, PHILIPPE L.
REGISTRATION NUMBER: 35, 125
REFERENCE/DOCKET NUMBER: 19840YA

TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-4568
TELEFAX: 732-594-4720
TELEX:
INFORMATION FOR SEO ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Peptide
US-09-069-138-6

Query Match 100.0%; Score 1463; DB 4; Length 277;
Best Local Similarity 100.0%; Pred. No. 2.2e-161; Indels 0; Gaps 0;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENTENSVSKISKIQLKEPKIHSSESMSGSIISLDNSYKMDYEMGLCIINNKNFHKGSTG 60
Db 1 MENTENSVSKISKIQLKEPKIHSSESMSGSIISLDNSYKMDYEMGLCIINNKNFHKGSTG 60
QY 61 MTSISGTDYDAANRRETFRNLKVYEVRNKNDLTREIIVLMRDVSKEDHSKRSFVCULLS 120
Db 61 MTSISGTDYDAANRRETFRNLKVYEVRNKNDLTREIIVLMRDVSKEDHSKRSFVCULLS 120

Query Match 100.0%; Score 1463; DB 4; Length 277;
 Best Local Similarity 100.0%; Pred. No. 2.e-161; Mismatches 0; Inlays 0; Gaps 0;
 Matches 277; Conservative 0;

QY 121 HGBEGIIFGTINGPVDIKITINPRGRDRCSITGKPKLFIQACRGTELOGIEDSGVDD 180
 Db 121 HGESEGIIFGTINGPVDIKITINPRGRDRCSITGKPKLFIQACRGTELOGIEDSGVDD 180

QY 181 DMACKHCKIPVEADFLYVYSTARGYYSWRNSKGWSWITQSICAMLKQYADKEFPHILTRVN 240
 Db 181 DMACKHCKIPVEADFLYVYSTARGYYSWRNSKGWSWITQSICAMLKQYADKEFPHILTRVN 240

QY 241 RKVATEFESFSFDATPHAKKQIPCTIVSMLTKELYFYH 277
 Db 241 RKVATEFESFSFDATPHAKKQIPCTIVSMLTKELYFYH 277

RESULT 6 124-934A-4

; Sequence 4, Application US/09124934A
 ; Patent No. 6495519
 ; GENERAL INFORMATION:
 ; APPLICANT: He, Wei-Wu et al.
 ; TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme Like Apoptosis Protease 3 am
 ; FILE REFERENCE: P140C1
 ; CURRENT APPLICATION NUMBER: US/09/124, 934A
 ; CURRENT FILING DATE: 1994-11-01
 ; NUMBER OF SEQ ID NOS: 12
 ; SOFTWARE: Patentin version 3.0
 ; SEQ ID NO 4
 ; LENGTH: 277
 ; TYPE: PRT
 ; ORGANISM: homo sapiens
 ; US-09-124-934A-4

Query Match 100.0%; Score 1463; DB 4; Length 277;
 Best Local Similarity 100.0%; Pred. No. 2.e-161; Mismatches 0; Inlays 0; Gaps 0;
 Matches 277; Conservative 0;

QY 1 MENTENSDSKSIKNEPKIINGHSESMSMGSISDNYSKMDPEMGCIINNKNFHSTG 60
 Db 1 MENTENSDSKSIKNEPKIINGHSESMSMGSISDNYSKMDPEMGCIINNKNFHSTG 60

QY 61 MTSGGTDVDAANRERTRFLYVYSTARGYYSWRNSKGWSWITQSICAMLKQYADKEFPHILTRVN 120
 Db 61 MTSGGTDVDAANRERTRFLYVYSTARGYYSWRNSKGWSWITQSICAMLKQYADKEFPHILTRVN 120

QY 121 HGESEGIIFGTINGPVDIKITINPRGRDRCSITGKPKLFIQACRGTELOGIEDSGVDD 180
 Db 121 HGESEGIIFGTINGPVDIKITINPRGRDRCSITGKPKLFIQACRGTELOGIEDSGVDD 180

RESULT 8

; Sequence 12, Application US/09561756
 ; Patent No. 6376226
 ; GENERAL INFORMATION:
 ; APPLICANT: Altemri, Emaad S.
 ; TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
 ; FILE REFERENCE: 480140-431
 ; CURRENT APPLICATION NUMBER: US/09/561,756
 ; CURRENT FILING DATE: 2000-04-22
 ; PRIOR APPLICATION NUMBER: 09/227,721
 ; PRIOR FILING DATE: 1999-01-08
 ; NUMBER OF SEQ ID NOS: 116
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO 12
 ; LENGTH: 277
 ; TYPE: PRT
 ; ORGANISM: Homo sapien
 ; US-09-561-756-12

Query Match 99.8%; Score 1460; DB 4; Length 277;
 Best Local Similarity 99.6%; Pred. No. 4.e-161; Mismatches 1; Inlays 0; Gaps 0;
 Matches 276; Conservative 1;

QY 1 MENTENSDSKSIKNEPKIINGHSESMSMGSISDNYSKMDPEMGCIINNKNFHSTG 60
 Db 1 MENTENSDSKSIKNEPKIINGHSESMSMGSISDNYSKMDPEMGCIINNKNFHSTG 60

QY 61 MTSGGTDVDAANRERTRFLYVYSTARGYYSWRNSKGWSWITQSICAMLKQYADKEFPHILTRVN 120
 Db 61 MTSGGTDVDAANRERTRFLYVYSTARGYYSWRNSKGWSWITQSICAMLKQYADKEFPHILTRVN 120

QY 121 HGESEGIIFGTINGPVDIKITINPRGRDRCSITGKPKLFIQACRGTELOGIEDSGVDD 180
 Db 121 HGESEGIIFGTINGPVDIKITINPRGRDRCSITGKPKLFIQACRGTELOGIEDSGVDD 180

RESULT 7

; Sequence 4, Application US/08334251D
 ; Patent No. 6538121
 ; GENERAL INFORMATION:
 ; APPLICANT: He et al.
 ; TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme Like Apoptosis Protease 3 am
 ; FILE REFERENCE: P140
 ; CURRENT APPLICATION NUMBER: US/09/134,251D
 ; CURRENT FILING DATE: 1994-11-01
 ; NUMBER OF SEQ ID NOS: 12
 ; SOFTWARE: Patentin version 3.0
 ; SEQ ID NO 4
 ; LENGTH: 277
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-08-334-251D-4

Query Match 100.0%; Score 1463; DB 4; Length 277;
 Best Local Similarity 100.0%; Pred. No. 2.e-161; Mismatches 0; Inlays 0; Gaps 0;
 Matches 277; Conservative 0;

QY 121 HGESEGIIFGTINGPVDIKITINPRGRDRCSITGKPKLFIQACRGTELOGIEDSGVDD 180
 Db 121 HGESEGIIFGTINGPVDIKITINPRGRDRCSITGKPKLFIQACRGTELOGIEDSGVDD 180

QY 181 DMACKHCKIPVEADFLYVYSTARGYYSWRNSKGWSWITQSICAMLKQYADKEFPHILTRVN 240
 Db 181 DMACKHCKIPVEADFLYVYSTARGYYSWRNSKGWSWITQSICAMLKQYADKEFPHILTRVN 240

QY 241 RKVATEFESFSFDATPHAKKQIPCTIVSMLTKELYFYH 277
 Db 241 RKVATEFESFSFDATPHAKKQIPCTIVSMLTKELYFYH 277

RESULT 9

US-09-227-721-12
; Sequence 12, Application US/09227721

; Patent No. 6379950
; GENERAL INFORMATION:

; APPLICANT: Alnemri, Emad S.

; TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES

; FILE REFERENCE: 480140-431

; CURRENT APPLICATION NUMBER: US/09/227,721

; CURRENT FILING DATE: 1999-01-08

; NUMBER OF SEQ ID NOS: 116

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 12
; LENGTH: 277

; TYPE: PRT
; ORGANISM: Homo sapien

US-09-227-721-12

Query Match 99.8%; Score 1460; DB 4; Length 277;
Best Local Similarity 99.6%; Pred. No. 4.9e-161; Mismatches 1; Indels 0; Gaps 0;

Matches 275; Conservative

1 MENTENSVSKISKIENPEKIHGSMSMDGSIISLDSYKNDYPENGLCIINNNKFHKSTG 60

Db 1 MENTENSVSKISKIENPEKIHGSMSMDGSIISLDSYKNDYPENGLCIINNNKFHKSTG 60

Qy 61 MTSSGGTDVDAANLRETFRNKRYEVNNDLTREELVLMRDVSKEHDHSKRSPFCVLLS 120

Db 61 MTSSGGTDVDAANLRETFRNKRYEVNNDLTREELVLMRDVSKEHDHSKRSPFCVLLS 120

Qy 121 HGEEGIIGFGNGPVDLKKITFPERGDRCSLITGPKLFIIOACRGTELDGIEITDGVDD 180

Db 121 HGEEGIIGFGNGPVDLKKITFPERGDRCSLITGPKLFIIOACRGTELDGIEITDGVDD 180

Qy 181 DMACKHPIVDAFLPYAVSTAGYYWSRNSKGWSMISLCAMLKQYADKLEFFMHLTRVN 240

Db 181 DMACKHPIVDAFLPYAVSTAGYYWSRNSKGWSMISLCAMLKQYADKLEFFMHLTRVN 240

Qy 241 RKVATEFESFSFDATHAKKQIPCVSMLTKELYFH 277

Db 241 RKVATEFESFSFDATHAKKQIPCVSMLTKELYFH 277

RESULT 10
US-08-983-502-30

; Sequence 30, Application US/08983502
; Patent No. 6399327
; GENERAL INFORMATION:

; APPLICANT: David Wallach

; APPLICANT: Mark P. Boldin

; APPLICANT: Tanya M. Goncharov

; APPLICANT: Yuli V. Goltshev

; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS

; NUMBER OF SEQUENCES: 34

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Brodsky and Neimark
; STREET: 419 Seventh Street N.W., Ste. 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/983,502
; FILING DATE: 16-JAN-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/10521
; FILING DATE: 14-JUN-1996

PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,615

PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,986

PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 115,319

PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 116,588

PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 117,932

PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 118-1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 118,274

PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 118,508

PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 119,008

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APPLICATION NUMBER: IL 119,009

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APPLICATION NUMBER: IL 119,171

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APPLICATION NUMBER: IL 119,172

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APPLICATION NUMBER: IL 119,174

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APPLICATION NUMBER: IL 119,176

PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 119,177

PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 119,178

PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 119,179

PRIOR APPLICATION DATA:

TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-724-3780-5

Query Match 99.8%; Score 1460; DB 4; Length 277;
Best Local Similarity 99.6%; Pred. No. 4.9e-161; Mismatches 1; Matches 276; Conservative 1; Gaps 0; Indels 0;

QY 1 MENTENSDVDSKSIKNLEPKITHGSESMDSGTSIDNSYKMDYPEMGLCIIINNKPHKSTG 60
1 MENTENSDVDSKSIKNLEPKITHGSESMDSGTSIDNSYKMDYPEMGLCIIINNKPHKSTG 60

QY 61 MTSRSGTDVDAANLRETRFRNLYKEVRNKNDITRETELVMRDVSKEDHRSRSVCVLLS 120
61 MTSRSGTDVDAANLRETRFRNLYKEVRNKNDITRETELVMRDVSKEDHRSRSVCVLLS 120

QY 121 HGEBGIGFGTNGPVLAKITNFRGRCRSLTGKPKLFIQACRGTELDGIEETSGVDD 180
121 HGEBGIGFGTNGPVLAKITNFRGRCRSLTGKPKLFIQACRGTELDGIEETSGVDD 180

Db 181 DMACHKIPVEADFLYVASTAGYYSWNSRNSKGWSFWFOSLCAMLKQYADKLEFFMHILTRVN 240
181 DMACHKIPVEADFLYVASTAGYYSWNSRNSKGWSFWFOSLCAMLKQYADKLEFFMHILTRVN 240

QY 241 RKVATEFSPSFATFHAKKQPCIVSMLTKELYFYH 277
241 RKVATEFSPSFATFHAKKQPCIVSMLTKELYFYH 277

RESULT 12
US-09-516-747-30
; Sequence 30, Application US/09516747

; Patent No. 658571

GENERAL INFORMATION:

APPLICANT: David WALLACH
Mark P. BOUDIN
Tanya M. GONCHAROV
Yury V. GOLTSOV

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS AND OTHER PROTEINS

NUMBER OF SEQUENCES: 34

CORRESPONDENCE ADDRESS:
ADDRESSEE: Browdy and Neimark
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA

COMPUTER READABLE FORM:

COMPUTER TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US 09/516,747
FILING DATE: 01-Mar-2000
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/183,502
FILING DATE: Unknown
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996

ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH=19

RESULT 13
PCT-US96-10521-30
Sequence 30, Application PC/TUS9610521

GENERAL INFORMATION:

APPLICANT: MTSRSGTDVDAANLRETRFRNLYKEVRNKNDITRETELVMRDVSKEDHRSRSVCVLLS 120

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS AND OTHER PROTEINS

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS AND OTHER PROTEINS

NUMBER OF SEQUENCES: 34

COMPUTER READABLE FORM:

COMPUTER TYPE: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10521
FILING DATE:
CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996

INFORMATION FOR SEQ ID NO: 30:

SEQUENCE DESCRIPTION: SEQ ID NO: 30

Query Match 99.8%; Score 1460; DB 4; Length 277;
Best Local Similarity 99.6%; Pred. No. 4.9e-161; Mismatches 1; Matches 276; Conservative 1; Gaps 0; Indels 0;

QY 1 MENTENSDVDSKSIKNLEPKITHGSESMDSGTSIDNSYKMDYPEMGLCIIINNKPHKSTG 60
1 MENTENSDVDSKSIKNLEPKITHGSESMDSGTSIDNSYKMDYPEMGLCIIINNKPHKSTG 60

QY 61 MTSRSGTDVDAANLRETRFRNLYKEVRNKNDITRETELVMRDVSKEDHRSRSVCVLLS 120
61 MTSRSGTDVDAANLRETRFRNLYKEVRNKNDITRETELVMRDVSKEDHRSRSVCVLLS 120

QY 121 HGEBGIGFGTNGPVLAKITNFRGRCRSLTGKPKLFIQACRGTELDGIEETSGVDD 180
121 HGEBGIGFGTNGPVLAKITNFRGRCRSLTGKPKLFIQACRGTELDGIEETSGVDD 180

Db 181 DMACHKIPVEADFLYVASTAGYYSWNSRNSKGWSFWFOSLCAMLKQYADKLEFFMHILTRVN 240
181 DMACHKIPVEADFLYVASTAGYYSWNSRNSKGWSFWFOSLCAMLKQYADKLEFFMHILTRVN 240

QY 241 RKVATEFSPSFATFHAKKQPCIVSMLTKELYFYH 277
241 RKVATEFSPSFATFHAKKQPCIVSMLTKELYFYH 277

Db 121 HGEBGIGFGTNGPVLAKITNFRGRCRSLTGKPKLFIQACRGTELDGIEETSGVDD 180
121 HGEBGIGFGTNGPVLAKITNFRGRCRSLTGKPKLFIQACRGTELDGIEETSGVDD 180

QY 181 DMACHKIPVEADFLYVASTAGYYSWNSRNSKGWSFWFOSLCAMLKQYADKLEFFMHILTRVN 240
181 DMACHKIPVEADFLYVASTAGYYSWNSRNSKGWSFWFOSLCAMLKQYADKLEFFMHILTRVN 240

Db 241 RKVATEFSPSFATFHAKKQPCIVSMLTKELYFYH 277
241 RKVATEFSPSFATFHAKKQPCIVSMLTKELYFYH 277

RESULT 14
PCT-US96-10521-30
Sequence 30, Application PC/TUS9610521

GENERAL INFORMATION:

APPLICANT: MTSRSGTDVDAANLRETRFRNLYKEVRNKNDITRETELVMRDVSKEDHRSRSVCVLLS 120

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS AND OTHER PROTEINS

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS AND OTHER PROTEINS

NUMBER OF SEQUENCES: 34

COMPUTER READABLE FORM:

COMPUTER TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10521
FILING DATE:
CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996

INFORMATION FOR SEQ ID NO: 30:

SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 30

Query Match 99.8%; Score 1460; DB 4; Length 277;
Best Local Similarity 99.6%; Pred. No. 4.9e-161; Mismatches 1; Matches 276; Conservative 1; Gaps 0; Indels 0;

QY 1 MENTENSDVDSKSIKNLEPKITHGSESMDSGTSIDNSYKMDYPEMGLCIIINNKPHKSTG 60
1 MENTENSDVDSKSIKNLEPKITHGSESMDSGTSIDNSYKMDYPEMGLCIIINNKPHKSTG 60

QY 61 MTSRSGTDVDAANLRETRFRNLYKEVRNKNDITRETELVMRDVSKEDHRSRSVCVLLS 120
61 MTSRSGTDVDAANLRETRFRNLYKEVRNKNDITRETELVMRDVSKEDHRSRSVCVLLS 120

QY 121 HGEBGIGFGTNGPVLAKITNFRGRCRSLTGKPKLFIQACRGTELDGIEETSGVDD 180
121 HGEBGIGFGTNGPVLAKITNFRGRCRSLTGKPKLFIQACRGTELDGIEETSGVDD 180

Db 181 DMACHKIPVEADFLYVASTAGYYSWNSRNSKGWSFWFOSLCAMLKQYADKLEFFMHILTRVN 240
181 DMACHKIPVEADFLYVASTAGYYSWNSRNSKGWSFWFOSLCAMLKQYADKLEFFMHILTRVN 240

QY 241 RKVATEFSPSFATFHAKKQPCIVSMLTKELYFYH 277
241 RKVATEFSPSFATFHAKKQPCIVSMLTKELYFYH 277

Db 241 RKVATEFSPSFATFHAKKQPCIVSMLTKELYFYH 277
241 RKVATEFSPSFATFHAKKQPCIVSMLTKELYFYH 277

US-08-964-308-10

TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 PCT-US96-10521-30

Query Match 99.3%; Score 1453; DB 3; Length 277;
 Best Local Similarity 99.6%; Pred. No. 3.2e-160;
 Matches 276; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Matches 276; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MENTENSDSKSIKNELEPKIIGHSMSMDGSLDSYKNDYPENGCLINNKNFHKG 60
 Db 1 MENTENSDSKSIKNELEPKIIGHSMSMDGSLDSYKNDYPENGCLINNKNFHKG 60

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 Db 61 MTSRSGTDVDAANLRETRPNLKYEVRNKNDLTREELVELMRDVSDHRSRSSVCVLLS 120

QY 121 HGBBGLIFGTGNGPVDIKITIPFRGRCRSLTGKPLFLIQACRTGELDGIEEDSGVDD 180
 Db 121 HGBBGLIFGTGNGPVDIKITIPFRGRCRSLTGKPLFLIQACRTGELDGIEEDSGVDD 180

QY 181 DMACHKLPVEADFLYVASTAGYYWSRNNSKGWSFQLSCAMLKQYADKLEFMHLTRVN 240
 Db 181 DMACHKLPVEADFLYVASTAGYYWSRNNSKGWSFQLSCAMLKQYADKLEFMHLTRVN 240

QY 241 RKVATEFESFSDATPHAKQKIPCIVSMLTKELYFH 277
 Db 241 RKVATEFESFSDATPHAKQKIPCIVSMLTKELYFH 277

RESULT 14
 US-08-964-308-10
 Sequence 10, Application US/08964308
 Patent No. 6066715

GENERAL INFORMATION:
 APPLICANT: DESMARais, SYLVIE
 APPLICANT: FRIBSEN, RICHARD
 APPLICANT: ZAMBONI, ROBERT
 TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
 NUMBER OF SEQUENCES: 15

CORRESPONDENCE ADDRESS:
 ADDRESSEE: ROBERT J. NORTH - MERCK & CO., INC.
 STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
 CITY: RAILWAY
 STATE: NJ
 COUNTRY: USA
 ZIP: 07065

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy Diskette
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: FASSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/964,308
 FILING DATE: 04-NOV-1996
 CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:
 NAME: NORR, ROBERT J.
 REGISTRATION NUMBER: 27,366
 REFERENCE DOCKET NUMBER: 19840 PCT

TELECOMMUNICATION INFORMATION:
 TELEPHONE: 732-594-7262
 TELEX: 732-594-4720

INFORMATION FOR SEQ ID NO: 10:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 277 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide

RESULT 15
 US-08-964-313-10
 Sequence 10, Application US/08964313
 Patent No. 6114132

GENERAL INFORMATION:
 APPLICANT: DESMARais, SYLVIE
 APPLICANT: PRIBSEN, RICHARD
 APPLICANT: GRESSLER, MICHAEL
 APPLICANT: KENNEDY, BRIAN
 APPLICANT: NICHOLSON, DONALD
 APPLICANT: RAMACHANDRAN, CHIDAMBARAM
 APPLICANT: SKORY, KATHRYN
 APPLICANT: FORD-HUTCHINSON, ANTHONY
 TITLE OF INVENTION: PHOSPHATASE BINDING ASSAY
 NUMBER OF SEQUENCES: 15

CORRESPONDENCE ADDRESS:
 ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
 STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
 CITY: RAILWAY
 STATE: NJ
 COUNTRY: USA
 ZIP: 07065

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS

SOFTWARE: FASSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/964,313
 FILING DATE: 04-NOV-1997
 CLASSIFICATION: 535

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/030,409
 FILING DATE: 04-NOV-1996
 APPLICATION NUMBER: PCT/CN97/00825
 FILING DATE: 03-NOV-1996

ATTORNEY/AGENT INFORMATION:
 NAME: DURETTE, PHILIPPE L.
 REGISTRATION NUMBER: 35,125

REFERENCE DOCKET NUMBER: 19824Y
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 732-594-4568
 TELEFAX: 732-594-4720

INFORMATION FOR SEQ ID NO: 10:
 SEQUENCE CHARACTERISTICS:

LENGTH: 277 amino acids
 TYPE: amino acid single
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-964-313-10

Query Match 99.3%; Score 1453; DB 3; Length 277;
 Best Local Similarity 99.6%; Pred. No. 3.2e-160; 1; Gaps 0;
 Matches 276; Conservative 0; Mismatches 0; Indels 0;
 QY 1 MENTENSDSKSIKNEPKIHKGSNSMDGCGISLDSYKMDYPEMGLCIIINNKPHKSTG 60
 1 MENTENSDSKSIKNEPKIHKGSNSMDGCGISLDSYKMDYPEMGLCIIINNKPHKSTG 60
 Db 61 MTSRSGTDVDAANLIRETPFRNLKVVERKNNDLTREVELMARDVSEDHSKRSPPCVLJS 120
 61 MTSRSGTDVDAANLIRETPFRNLKVVERKNNDLTREVELMARDVSEDHSKRSPPCVLJS 120
 Db 121 HEGEGIIFGTNGPVLKKITNPFGRGCRSLTGPKPLFIQACRGTELDGCETPSGVDD 180
 QY 121 HEGEGIIFGTNGPVLKKITNPFGRGCRSLTGPKPLFIQACRGTELDGCETPSGVDD 180
 Db 181 DMACHKIPVEADFLIAYASTAGYSSWNRNKGDSWFTOSLCAMLKQYADKLFMHLTRVN 240
 181 DMACHKIPVEADFLIAYASTAGYSSWNRNKGDSWFTOSLCAMLKQYADKLFMHLTRVN 240
 Qy 241 RKYATTEFSFSFATFHAKKQQPCCIVSMLTKELYFYH 277
 Db 241 RKYATTEFSFSFATFHAKKQQPCCIVSMLTKELYFYH 277

Search completed: December 29, 2003, 16:37:12
 Job time : 22 secs

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QY 259 MQILTRVNDVARHESOSDDPPHHEKKOIPCVMSMLTKELYF 301
Db 233 MHLITRVRKVATBEEFESFSFDATPHAKQIPICTVSMLTKELYF 275
;
RESULT 14
; Sequence 4, Application US/08334251D
; GENERAL INFORMATION:
; Patent No. 6538121
; APPLICANT: He et al.
; TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme Like Apoptosis Protease 3 and
; FILE REFERENCE: PE140
; CURRENT APPLICATION NUMBER: US/08/334,251D
; CURRENT FILING DATE: 1994-11-01
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-08-334-251D-4

Query Match 44.5%; Score 719; DB 4; Length 277;
Best Local Similarity 50.9%; Pred. No. 1.8e-73;
Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;
;

QY 19 EDSYDAKPRDRSSPVPSLFSKKKVVTRMSIKTRDRVPTQYQNNNFEKLKGCIINNKPF 78
Db 5 ENSYDSKSTK-NLAPKINGSESMGSLDN-----YKMDYEMGLCIINNKPF 55
;
QY 79 DKVIGMVGANGTDKDAEALFKCDSLGSFDPVIVNDSCAROMDLKKQASEEDHTNAACFA 138
Db 56 HKSTGNTSRSGTVDAAANLRETFRNLKVEVRNKNDLTREELVNLRDVSKEDHSKRSSFY 115
;
QY 139 CILLSHGEVWVYIGDGTPIKOLTAHGRDRKTLEKPKPFIQACRGTEBDQAQD 198
Db 116 CULLSHGEERGIIFGNGPYDILKUTNFGRDRSLTGPKPFLIQACRGTEBDGIETD 175
;
QY 199 SGPIINDTANPRKTPVEADLFLYISTPGYWSRSPORGSMVQACISLEBHGKDEI 232
Db 176 SGVDDDMAC--HKLPVADFLAYASTAGYSSWRSNKGSWFTIOSLCAMLKQYADKUEF 232
;
QY 259 MQILTRVNDVARHESOSDDPPHHEKKOIPCVMSMLTKELYF 301
Db 233 MHLITRVRKVATBEEFESFSFDATPHAKQIPICTVSMLTKELYF 275
;
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Search completed: December 30, 2003, 06:28:08
Job time: 22 secs

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QY 19 EDSYDAKPRDRSSPVPSLFSKKKVVTRMSIKTRDRVPTQYQNNNFEKLKGCIINNKPF 78
Db 5 ENSYDSKSTK-NLAPKINGSESMGSLDN-----YKMDYEMGLCIINNKPF 55
;
QY 79 DKVIGMVGANGTDKDAEALFKCDSLGSFDPVIVNDSCAROMDLKKQASEEDHTNAACFA 138
Db 56 HKSTGNTSRSGTVDAAANLRETFRNLKVEVRNKNDLTREELVNLRDVSKEDHSKRSSFY 115
;
QY 139 CILLSHGEVWVYIGDGTPIKOLTAHGRDRKTLEKPKPFIQACRGTEBDQAQD 198
Db 116 CULLSHGEERGIIFGNGPYDILKUTNFGRDRSLTGPKPFLIQACRGTEBDGIETD 175
;
QY 199 SGPIINDTANPRKTPVEADLFLYISTPGYWSRSPORGSMVQACISLEBHGKDEI 232
Db 176 SGVDDDMAC--HKLPVADFLAYASTAGYSSWRSNKGSWFTIOSLCAMLKQYADKUEF 232
;
QY 259 MQILTRVNDVARHESOSDDPPHHEKKOIPCVMSMLTKELYF 301
Db 233 MHLITRVRKVATBEEFESFSFDATPHAKQIPICTVSMLTKELYF 275
;
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```

RESULT 15
; Sequence 12, Application US/09561756
; General Information:
; Patent No. 6376226
; APPLICANT: Almarri, Emad S.
; TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
; FILE REFERENCE: 480140-4311
; CURRENT APPLICATION NUMBER: US/09/561,756
; CURRENT FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: 05/227,721
; PRIOR FILING DATE: 1999-01-08
; NUMBER OF SEQ ID NOS: 116
; SOFTWARE: PastSeq for Windows Version 3.0
; SEQ ID NO 12
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Homo sapien
; US-09-561-756-12

Query Match 44.4%; Score 716; DB 4; Length 277;
Best Local Similarity 50.5%; Pred. No. 4e-73; Matches 78; Indels 12; Gaps 3;
;
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TELEFAX: 732-594-4720
 TELX:
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 277 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: Peptide
 US-08-964-313-6

Query Match 44.5%; Score 719; DB 3; Length 277;
 Best Local Similarity 50.9%; Pred. No. 1.8e-73; Mismatches 78; Indels 12; Gaps 3;
 Matches 144; Conservative 49; MisMatches 78; InDelS 12; Gaps 3;

QY 19 EDSDAKDRSSFPVSLPSKKKVNMRSIKTRDRVPTQYNNNFEKLGCQITINRNKF 78
 Db 5 ENSVDSKIK-NLEPKIHKGSSEMSMDGSQLDNS-----YKMDPPEMGICILINRNKF 55

QY 79 DKTGGMGRNGTQDAEALFKCPRSISGFDVITYNDSCAKMDLKKASESDHTNAACFA 138
 Db 56 HKSTGMTSRSGTVDAAANIRETFRNLKVYEVRNKNDLTREELVLMRDVSKEDHRSFSV 115

Db 139 CILISHGEENVVYKGDGTPIKLTAHGRDKTLLKEPKPFPIACRGFLDDAIQAD 198
 QY 116 CILISHGEENVVYKGDGTPIKLTAHGRDKTLLKEPKPFPIACRGFLDDAIQAD 175

Db 199 SGPIINDTDANPRKIPVADFLAYSTPGYWSWRSPRSGSFWQALCSILEBHGDEI 258
 QY 176 SGVDDDMAC--HKTIPVADFLAYSTPGYWSWRSPRSGSFWQALCSILEBHGDEI 232

Db 259 MQILTRVNRVARIFESQSDDPHFKHQIIPCIVSMLTKLYF 301
 QY 233 MHILTRVNRKVAPESTSFADTHAKHQIIPCIVSMLTKLYF 275

RESULT 12
 US-09-069-138-6
 Sequence 6, Application US/09069138
 ; Patent No. 6348572
 ; GENERAL INFORMATION:
 ; APPLICANT: DESMARATS, SYLVIE
 ; APPLICANT: DUFRESNE, CLAUDE
 ; APPLICANT: FRESN, RICHARD
 ; APPLICANT: LEBLANC, YVES
 ; APPLICANT: ROY, PATRICK
 ; APPLICANT: YOUNG, ROBERT N.
 ; APPLICANT: ZAMONI, ROBERT
 ; TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
 ; NUMBER OF SEQUENCES: 15
 ; CORRESPONDENCE ADDRESS:
 ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
 STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
 CITY: Rahway
 STATE: NJ
 COUNTRY: USA
 ZIP: 07065
 COMPUTER READABLE FORM:
 MEDICAL TYPE: Floppy Diskette
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: FASSEQ for Windows Version 2.0
 APPLICATION NUMBER: US/09/069,138
 FILING DATE: 29-APR-1998
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: DIRECTE PHILIPPE L.
 REGISTRATION NUMBER: 35, 125
 REFERENCE/Docket Number: 19840YIA
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 732-594-4568

Query Match 44.5%; Score 719; DB 4; Length 277;
 Best Local Similarity 50.9%; Pred. No. 1.8e-73; Mismatches 78; Indels 12; Gaps 3;
 Matches 144; Conservative 49; MisMatches 78; InDelS 12; Gaps 3;

QY 19 EDSDAKDRSSFPVSLPSKKKVNMRSIKTRDRVPTQYNNNFEKLGCQITINRNKF 78
 Db 5 ENSVDSKIK-NLEPKIHKGSSEMSMDGSQLDNS-----YKMDPPEMGICILINRNKF 55

QY 79 DKTGGMGRNGTQDAEALFKCPRSISGFDVITYNDSCAKMDLKKASESDHTNAACFA 138
 Db 56 HKSTGMTSRSGTVDAAANIRETFRNLKVYEVRNKNDLTREELVLMRDVSKEDHRSFSV 115

Db 139 CILISHGEENVVYKGDGTPIKLTAHGRDKTLLKEPKPFPIACRGFLDDAIQAD 198
 QY 116 CILISHGEENVVYKGDGTPIKLTAHGRDKTLLKEPKPFPIACRGFLDDAIQAD 175

Db 199 SGPIINDTDANPRKIPVADFLAYSTPGYWSWRSPRSGSFWQALCSILEBHGDEI 258
 QY 176 SGVDDDMAC--HKTIPVADFLAYSTPGYWSWRSPRSGSFWQALCSILEBHGDEI 232

Db 259 MQILTRVNRVARIFESQSDDPHFKHQIIPCIVSMLTKLYF 301
 QY 233 MHILTRVNRKVAPESTSFADTHAKHQIIPCIVSMLTKLYF 275

RESULT 13
 US-09-124-934A-4
 Sequence 4, Application US/09124934A
 ; Patent No. 6495519
 ; GENERAL INFORMATION:
 ; APPLICANT: He, Wei-Wu et al.
 ; TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme Like Apoptosis Protease
 ; FILE REFERENCE: PFL14C1
 ; CURRENT APPLICATION NUMBER: US/09/124, 934A
 ; CURRENT FILING DATE: 1994-11-01
 ; NUMBER OF SEQ ID NOS: 12
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 4
 ; LENGTH: 277
 ; TYPE: PRT
 ; ORGANISM: homo sapiens
 ;
 US-09-124-934A-4
 Query Match 44.5%; Score 719; DB 4; Length 277;
 Best Local Similarity 50.9%; Pred. No. 1.8e-73; Mismatches 78; Indels 12; Gaps 3;
 Matches 144; Conservative 49; MisMatches 78; InDelS 12; Gaps 3;

QY 19 EDSDAKDRSSFPVSLPSKKKVNMRSIKTRDRVPTQYNNNFEKLGCQITINRNKF 78
 Db 5 ENSVDSKIK-NLEPKIHKGSSEMSMDGSQLDNS-----YKMDPPEMGICILINRNKF 55

QY 79 DKTGGMGRNGTQDAEALFKCPRSISGFDVITYNDSCAKMDLKKASESDHTNAACFA 138
 Db 56 HKSTGMTSRSGTVDAAANIRETFRNLKVYEVRNKNDLTREELVLMRDVSKEDHRSFSV 115

Db 139 CILISHGEENVVYKGDGTPIKLTAHGRDKTLLKEPKPFPIACRGFLDDAIQAD 198
 QY 116 CILISHGEENVVYKGDGTPIKLTAHGRDKTLLKEPKPFPIACRGFLDDAIQAD 175

Db 199 SGPIINDTDANPRKIPVADFLAYSTPGYWSWRSPRSGSFWQALCSILEBHGDEI 258
 QY 176 SGVDDDMAC--HKTIPVADFLAYSTPGYWSWRSPRSGSFWQALCSILEBHGDEI 232

TELEX:
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 277 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-964-308-6

Query Match 44 %; Score 719; DB 3; Length 277;
 Best Local Similarity 50.9%; Pred. No. 1.8e-73; Gaps 3;
 Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

QY 19 EDSVAKPDRSSFVSLFSKKRKNVTRMSIKTRDRPVYQYNNPFELGKCTINNKF 78
 5 ENSVSKSIK-NLEKTIKHSSEMSDGSISLDNS-----YKMDYPENGCLTINNKF 55
 Db 79 DKVTGNGVRNGTDKQAEALFKCFSLGFDPDVIVINDSCAKMQLKKASBDHTNAACPA 138
 QY 56 HKSTGNTSRASTGDVNAURETERNLKVYEVTRKNDLULTRBIVELMRDVSKEDISKRSFV 115
 Db 139 CILLSHGEENVYIGDGVPIDKTAHFGRDKTLLERPKLFFIQACRGTELDGIEAD 198
 QY 116 CVLSSHGEEGIIGFGNGPVLKTKTNFRGDRCSLTKPKLFIQACRGTELDGIEAD 175
 Db 199 SGPIINDTDANPRYKIPVEAFLFLAYSTVPGYSSRSRSPGGSWFWOACSLILEBKGDKIEI 258
 QY 176 SGVDDDMAC--HKIPVEADFLFLAYSTAOYSSRSRSPGGSWFWOACSLCMLKQYADKEF 232
 Db 259 MQILTRVNDRVARHESQSDPDPHEKQKPCVYMSMLTKEFY 301
 QY 233 MHILIRVNKRKATETEBSFSFDATFHAKQKIPCIVSMITKEFY 275
 Db

RESULT 10
 US-08-462-969B-4
 Sequence 4, Application US/08462969B
 Patent No. 6087150
 GENERAL INFORMATION:
 APPLICANT: He, Wei-Wu et al.
 TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Human Genome Sciences, Inc.
 STREET: 9410 Key West Ave.
 CITY: Rockville
 STATE: MD
 COUNTRY: USA
 ZIP: 20850

COMPUTER READABLE FORM:
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/462, 969B
 FILING DATE: 05-JUN-1995
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/334, 251
 FILING DATE: 11-NOV-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Brookes, A. Anders
 REGISTRATION NUMBER: 35, 373
 REFERENCE/DOCKET NUMBER: PFT140P1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 301-309-8454
 TELEFAX: 301-309-8439
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 277 amino acids

TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-462-969B-4

Query Match 44 %; Score 719; DB 3; Length 277;
 Best Local Similarity 50.9%; Pred. No. 1.8e-73; Gaps 3;
 Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

QY 19 EDSVAKPDRSSFVSLFSKKRKNVTRMSIKTRDRPVYQYNNPFELGKCTINNKF 78
 5 ENSVSKSIK-NLEKTIKHSSEMSDGSISLDNS-----YKMDYPENGCLTINNKF 55
 Db 79 DKVTGNGVRNGTDKQAEALFKCFSLGFDPDVIVINDSCAKMQLKKASBDHTNAACPA 138
 QY 116 CVLSSHGEEGIIGFGNGPVLKTKTNFRGDRCSLTKPKLFIQACRGTELDGIEAD 175
 Db 139 CILLSHGEENVYIGDGVPIDKTAHFGRDKTLLERPKLFFIQACRGTELDGIEAD 198
 Db 199 SGPIINDTDANPRYKIPVEAFLFLAYSTVPGYSSRSRSPGGSWFWOACSLILEBKGDKIEI 258
 QY 176 SGVDDDMAC--HKIPVEADFLFLAYSTAOYSSRSRSPGGSWFWOACSLCMLKQYADKEF 232
 Db 259 MQILTRVNDRVARHESQSDPDPHEKQKPCVYMSMLTKEFY 301
 QY 233 MHILIRVNKRKATETEBSFSFDATFHAKQKIPCIVSMITKEFY 275
 Db

RESULT 11
 US-08-964-313-6
 Sequence 6, Application US/08964313
 Patent No. 61314132
 GENERAL INFORMATION:
 APPLICANT: DEMARAT, SYLVIE
 APPLICANT: FRIESEN, RICHARD
 APPLICANT: GRASSER, MICHAEL
 APPLICANT: KENNEDY, BRIAN
 APPLICANT: NICHOLSON, DONALD
 APPLICANT: RAMACHANDRAN, CHIDAMBARAM
 APPLICANT: SKOREY, KATHRYN
 APPLICANT: FORD-HUTCHINSON, ANTHONY
 TITLE OF INVENTION: PHOSPHATASE BINDING ASSAY
 NUMBER OF SEQUENCES: 15
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: PHILIPPE DURETTE - MERCK & CO, INC.
 STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2600
 CITY: RAYWAY
 STATE: NJ
 COUNTRY: USA
 ZIP: 07065
 COMPUTER READABLE FORM:
 COMPUTER: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/964, 313
 FILING DATE: 04-NOV-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/030, 408
 FILING DATE: 04-NOV-1996
 APPLICATION NUMBER: PCT/CA97/00025
 FILING DATE: 03-NOV-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: DIRETTE, PHILIPPE L.
 REGISTRATION NUMBER: 35, 125
 REFERENCE/DOCKET NUMBER: 19824Y
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 732-594-4568

US-08-334-251D-2
; Sequence 2, Application US/08334251D
; Patent No. 6538121
; GENERAL INFORMATION:
; APPLICANT: He et al.
; TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme Like Apoptosis Protease 3 ar
; FILE REFERENCE: PPI40
; CURRENT APPLICATION NUMBER: US/08/334,251D
; CURRENT FILING DATE: 1994-11-01
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 303
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-08-334-251D-2

Query Match 99.8%; Score 1610; DB 4; Length 303;
Best Local Similarity 99.7%; Pred. No. 5.6.e-175; Matches 302; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Matches 302; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MADDDQCIEQQVESANEDSVADPKDRSSVPSLFSKKKVVNRSIKTRDRVPTIQY 60
Db 1 MADDDQCIEQQVESANEDSVADPKDRSSVPSLFSKKKVVNRSIKTRDRVPTIQY 60
QY 61 NMNFPEKLKGKCIINNNKFDKTGMJYRNGDKDAALKCERSIGFPDVYNNCSACMQ 120
Db 61 NMNFPEKLKGKCIINNNKFDKTGMJYRNGDKDAALKCERSIGFPDVYNNCSACMQ 120
QY 121 DLKKKASEEDHNACTACILSHGENVLYGDKSVPKIDLTAFGRDRCKTLBPKL 180
Db 121 DLKKKASEEDHNACTACILSHGENVLYGDKSVPKIDLTAFGRDRCKTLBPKL 180
QY 181 FRIQACGTTELDAIQAQDSGPNTDANPRYKIPVFRDFPFLAYSTPGYVNGIYSWRGRGSW 240
Db 181 FRIQACGTTELDAIQAQDSGPNTDANPRYKIPVFRDFPFLAYSTPGYVNGIYSWRGRGSW 240
QY 241 FVQALCSILEEKGDKLIMQLTRVDRVARFESOSSDDPFPHHEKQIPVUVSMILKELY 300
Db 241 FVQALCSILEEKGDKLIMQLTRVDRVARFESOSSDDPFPHHEKQIPVUVSMILKELY 300
QY 301 FSQ 303
Db 301 FSQ 303

RESULT 8
US-08-591-605-2
; Sequence 2, Application US/08591605
; Patent No. 606233
; GENERAL INFORMATION:
; APPLICANT: Dixit, Vishva M.
; TITLE OF INVENTION: METHOD AND COMPOSITION FOR REGULATING
; NUMBER OF SEQUENCES: 14
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/591,605
; FILING DATE: 09-FEB-1996
; CLASSIFICATION: 510
; ATTORNEY/AGENT INFORMATION:
; NAME: KONSKI, ANTOINETTE P.

Query Match 44.5%; Score 719; DB 3; Length 277;
Best Local Similarity 50.9%; Pred. No. 1.88-73; Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;
Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

QY 19 EDSVDAKDPDSSFVPSLFSKKKVVNRSIKTRDRVPTIQYQINNNPELGKCTINNNKF 78
Db 5 ENSVDSKSI-NLEPKIHSEEMSGISLNS-----YKQDYPEMGCLITINNNKF 55
QY 79 DRYTGKGVRNITDKQAEALTRCCFRSLGEDFDVIVYNDSCAKNQDILKKASEEDHTNAACFA 138
Db 56 HISTGMGVRNITDKQAEALTRCCFRSLGEDFDVIVYNDSCAKNQDILKKASEEDHTNAACFA 138
QY 139 CILSISGEENNTYKGDKGVTPIKDLTAHFRDRCKTLKPLFFIQACRGTEEDDAIQAQ 198
Db 176 SGVDDDMAC--HKTFVEADFLYAYSTAPGIVYNGIYSWRGRGSW 232
QY 116 CYLISHEBEGIIGFTGNGPVDKIITNFRGDRCRSLTGKPKLIQACGTTELDAIQAQ 175
Db 259 MQILTRNDRVARHFSQSODPFPHHEKQIPCVUMLKELY 301
Db 233 MHILTRNVRKVATEFESFSFDATFHAKQIPOCIVSMLKELY 275

RESULT 9
US-08-664-308-6
; Sequence 5, Application US/08964308
; Patent No. 6066715
; GENERAL INFORMATION:
; APPLICANT: DESMARAIS, SYLVIE
; APPLICANT: ZAMBONI, ROBERT
; APPLICANT: FRIESEN, RICHARD
; APPLICANT: FRIESEN, ROBERT
; TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
; NUMBER OF SEQUENCES: 15
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ROBERT J. NORTH - MERCK & CO., INC.
; STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
; CITY: RAYW
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Diskette
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PassBio for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/964,308
; FILING DATE: 04-NOV-1996
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: NORTH, ROBERT J
; REGISTRATION NUMBER: 27,366
; REFERENCE/DOCKET NUMBER: 19840 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 732-594-7262
; TELEX: 732-594-4720

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/556,627A
 FILING DATE: 13-NOV-1995
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Campbell, Kathryn A.
 REGISTRATION NUMBER: 31,815
 REFERENCE/DOCKET NUMBER: P-ID 1813

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (619) 535-9001
 TELEX/FAX: (619) 535-8949
 INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
 LENGTH: 303 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

US-08-556-627A-2

Query Match Score 1610; DB 4; Length 303;
 Best Local Similarity 99.8%; Pred. No. 6,6e-175; Mismatches 0; Indels 1; Gaps 0;
 Matches 302; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MADDDGCIEBOGVEDSANEDSVDAKDPRSSFVSLFSKKKNTMRSIKTRDRPVRYQY 60
 Db 1 MADDDGCIEBOGVEDSANEDSVDAKDPRSSFVSLFSKKKNTMRSIKTRDRPVRYQY 60

Qy 61 NMNFERKLGKCIINNNKFRTGMVRNGTDKDAEALFKCPRSLGFPTIVNDSCAKMQ 120
 Db 61 NMNFERKLGKCIINNNKFRTGMVRNGTDKDAEALFKCPRSLGFPTIVNDSCAKMQ 120

Qy 121 DLKKASEEDHTNAACFACILISHGEEENVIGKDGVTPIKDTAHFRGDRCTTLEKPL 180
 Db 121 DLKKASEEDHTNAACFACILISHGEEENVIGKDGVTPIKDTAHFRGDRCTTLEKPL 180

Qy 181 FFIOACRGTEBLDDAIQADSPINIDTANPRYKIPVEADFLFAYSTPGYYSWSPGRSW 240
 Db 181 FFIOACRGTEBLDDAIQADSPINIDTANPRYKIPVEADFLFAYSTPGYYSWSPGRSW 240

Qy 241 FVQALCSILEBHGKOLEIMQILTRVNDVARHESQSDDPHFEKKQIPCVVSMILKELY 300
 Db 241 FVQALCSILEBHGKOLEIMQILTRVNDVARHESQSDDPHFEKKQIPCVVSMILKELY 300

Qy 301 FSQ 303
 Db 301 FSQ 303

RESULT 6
 US-08-724-378D-4
 ; Sequence 4, Application US/08/724-378D
 ; Patent No. 6,512,104
 ; GENERAL INFORMATION:
 ; APPLICANT: JUAN, SHAO-CHIEH
 ; APPLICANT: FLETCHER, FREDERICK A.
 ; APPLICANT: PATTERSON, SCOTT D.
 ; TITLE OF INVENTION: INTERLEUKIN 1-BETA CONVERTING ENZYME LIKE CYSTEINE
 ; FILE REFERENCE: 06843-019-0000
 ; CURRENT APPLICATION NUMBER: US/08/724-378D
 ; CURRENT FILING DATE: 1996-10-01
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO: 4
 ; LENGTH: 303
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-08-724-378D-4

Query Match Score 1610; DB 4; Length 303;
 Best Local Similarity 99.8%; Pred. No. 6,6e-175; Mismatches 0; Indels 1; Gaps 0;
 Matches 302; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MADDDGCIEBOGVEDSANEDSVDAKDPRSSFVSLFSKKKNTMRSIKTRDRPVRYQY 60
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Qy 121 DLKKASEEDHTNAACFACILISHGEEENVIGKDGVTPIKDTAHFRGDRCTTLEKPL 180
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Qy 181 FFIOACRGTEBLDDAIQADSPINIDTANPRYKIPVEADFLFAYSTPGYYSWSPGRSW 240
 Db 181 FFIOACRGTEBLDDAIQADSPINIDTANPRYKIPVEADFLFAYSTPGYYSWSPGRSW 240

Qy 241 FVQALCSILEBHGKOLEIMQILTRVNDVARHESQSDDPHFEKKQIPCVVSMILKELY 300
 Db 241 FVQALCSILEBHGKOLEIMQILTRVNDVARHESQSDDPHFEKKQIPCVVSMILKELY 300

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Query Match Score 1610; DB 4; Length 303;
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RESULT 3
US-09-227-721-24
Sequence 24, Application US/09227721
; Patent No. 6379950
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
; TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
; FILE REFERENCE: 480140-431
; CURRENT APPLICATION NUMBER: US/09/227, 721
; CURRENT FILING DATE: 1999-01-08
; NUMBER OF SEQ ID NOS: 115
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 303
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-227-721-24

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Best Local Similarity 99.7%; Pred. No. 6.6e-175; Mismatches 1; Indels 0; Gaps 0;
Matches 302; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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US-09-555-627A-2
Sequence 2, Application US/08556627A
; Patent No. 642175
; GENERAL INFORMATION:
; APPLICANT: Fernandes-Alnemri, Teresa
; APPLICANT: Litwack, Gerald
; APPLICANT: Armstrong, Robert
; APPLICANT: Tomselli, Kevin
; TITLE OF INVENTION: Mch3, A No. 6462175L Apoptotic Protease
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESS: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92112
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25

RESULT 2
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; Sequence 24, Application US/09561756
; General Information:
; Patent No. 6376225
; APPLICANT: Alnemri, Emad S.
; TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
; FILE REFERENCE: 480140-431
; CURRENT FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: 09/227, 721
; PRIOR FILING DATE: 1999-01-08
; NUMBER OF SEQ ID NOS: 116
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 303
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-561-756-24

Query Match 99.8%; Score 1610; DB 4; Length 303;
Best Local Similarity 99.7%; Pred. No. 6.6e-175; Mismatches 1; Indels 0; Gaps 0;
Matches 302; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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US-09-227-721-24
Sequence 24, Application US/09227721
; Patent No. 6379950
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
; TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
; FILE REFERENCE: 480140-431
; CURRENT APPLICATION NUMBER: US/09/227, 721
; CURRENT FILING DATE: 1999-01-08
; NUMBER OF SEQ ID NOS: 115
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 303
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-227-721-24

Query Match 99.8%; Score 1610; DB 4; Length 303;
Best Local Similarity 99.7%; Pred. No. 6.6e-175; Mismatches 1; Indels 0; Gaps 0;
Matches 302; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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OM protein - protein search, using sw model

Run on: December 30, 2003, 06:26:57 ; Search time 21 Seconds

Perfect score: 1614

Sequence: MADDOGCIEEQGVDSANED.....EKKQI PCVWSMLTKLYFSQ 303

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328817 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 281847

Minimum DB seq length: 9

Maximum DB seq length: 303

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*

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Prd. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	1610	99.8	303 4 US-09-227-721-24	TITLE OF INVENTION: Like Apoptosis Proteas-
4	1610	99.8	303 4 US-08-556-621A-2	NUMBER OF SEQUENCES: 12
5	1610	99.8	303 4 JS-09-124-934A-2	COMBINE ADDRESS:
6	1610	99.8	303 4 JS-08-334-251D-2	NAME: Human Genome Sciences, Inc.
7	1610	99.8	303 4 JS-08-334-251D-2	STREET: 9410 Key West Ave.
8	719	44.5	3 US-08-591-605-2	CITY: Rockville
9	719	44.5	3 US-08-964-08-6	STATE: MD
10	719	44.5	3 US-08-462-959B-4	COUNTRY: USA
11	719	44.5	3 US-08-964-313-6	ZIP: 20850
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13	719	44.5	4 US-09-124-934A-4	MEDIUM TYPE: FLOPPY DISK
14	719	44.5	4 US-08-334-251D-2	OPERATING SYSTEM: PC-DOS/MS-DOS
15	716	44.4	4 US-09-561-756-12	SOFTWARE: Patent In Release #1.0, Version
16	716	44.4	4 US-09-227-721-12	CURRENT APPLICATION DATA:
17	716	44.4	4 US-08-593-502-3	APPLICATION NUMBER: US/08462969B
18	716	44.4	4 US-08-724-378D-5	FILING DATE: 05-JUN-1995
19	716	44.4	4 US-09-116-747-30	CLASSIFICATION: 514
20	716	44.4	5 PCT-US98-102130	PRIOR APPLICATION DATA:
21	709	43.9	3 US-08-964-308-10	APPLICATION NUMBER: US/08/334,251
22	709	43.9	3 US-08-664-313-10	FILING DATE: 11-NOV-1994
23	709	43.9	4 US-09-69-138-10	ATTORNEY/AGENT INFORMATION:
24	707	43.8	2 US-08-830-502A-2	NAME: Brookes, A. Anders
25	549	34.0	2 US-08-773-602A-2	REGISTRATION NUMBER: 36,373
26	549	29.4	2 US-09-561-756-12	REFERENCE DOCKET NUMBER: PFI40P1
27	474	29.4	4 US-09-227-721-21	TELECOMMUNICATION INFORMATION:
QY				TELEPHONE: 301-309-8504
QY				TELEFAX: 301-309-8439
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QY				STRANDEDNESS: single
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QY				MOLECULE TYPE: protein
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QY				TITLE OF INVENTION: Like Apoptosis Proteas-
QY				NUMBER OF SEQUENCES: 12
QY				COMBINE ADDRESS:
QY				NAME: Human Genome Sciences, Inc.
QY				STREET: 9410 Key West Ave.
QY				CITY: Rockville
QY				STATE: MD
QY				COUNTRY: USA
QY				ZIP: 20850
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QY				NAME: Brookes, A. Anders
QY				REGISTRATION NUMBER: 36,373
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QY				TELECOMMUNICATION INFORMATION:
QY				TELEPHONE: 301-309-8504
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QY				NAME: Human Genome Sciences, Inc.
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QY				STATE: MD
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QY				STREET: 9410 Key West Ave.
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QY				TELEPHONE: 301-309-8504
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QY				NAME: Human Genome Sciences, Inc.
QY				STREET: 9410 Key West Ave.
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QY				STATE: MD
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QY				NAME: Brookes, A. Anders
QY				REGISTRATION NUMBER: 36,373
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QY				LENGTH: 303 amino acids
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QY				STREET: 9410 Key West Ave.
QY				CITY: Rockville
QY				STATE: MD
QY				COUNTRY: USA
QY				ZIP: 20850
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QY				NAME: Brookes, A. Anders
QY				REGISTRATION NUMBER: 36,373
QY				REFERENCE DOCKET NUMBER: PFI40P1
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QY				TELEFAX: 301-309-8439
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QY				TOPOLOGY: linear
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QY				TITLE OF INVENTION: Like Apoptosis Proteas-
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QY				STREET: 9410 Key West Ave.
QY				CITY: Rockville
QY				STATE: MD
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QY				REGISTRATION NUMBER: 36,373
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Sequence 1, APPL  
Sequence 7, APPL  
Sequence 34, APPL  
Sequence 34, APPL  
Sequence 35, APPL  
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Sequence 11, APPL  
Sequence 20, APPL  
Sequence 20, APPL
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RESULT 2
 US-08-964-308-6 Application US/08964308
 Sequence 6, Application US/08964308
 Patent No. 6056715
 GENERAL INFORMATION:
 APPLICANT: DESMARais, SYLVIE
 APPLICANT: FRIESEN, RICHARD
 APPLICANT: ZAMBONI, ROBERT
 TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
 NUMBER OF SEQUENCES: 15
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: ROBERT J. NORTH - MERCK & CO., INC.
 STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
 CITY: Rahway
 STATE: NJ
 COUNTRY: USA
 ZIP: 07065
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy diskette
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/964,308
 FILING DATE: 04-NOV-1996
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: NORTH, ROBERT J
 REGISTRATION NUMBER: 27,366
 REFERENCE/DOCKET NUMBER: 19140 PCT
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 732-594-7262
 TELEFAX: 732-594-4720
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 277 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-964-308-6

Query Match 44.7%; Score 719; DB 3; Length 277;
 Best Local Similarity 50.9%; Pred. No. 1; 7e-73; Matches 144; Conservative 49; Mismatches 49; Indels 12; Gaps 3;

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 176 SGVDDDMAC--HKIPFEEADFLFAYSTVPGYWSMSPGRGSFWOALSLEHGK 232
 Db 176 SGVDDDMAC--HKIPFEEADFLFAYSTVPGYWSMSPGRGSFWOALSLEHGK 232
 QY 258 MQLTRVNDYVARHESQSDDPPHFRKQIPCVVSMLTKELYF 300
 Db 258 MQLTRVNDYVARHESQSDDPPHFRKQIPCVVSMLTKELYF 275
 233 MHLTRVNRKVATEFESFSFDATFHAKKQIIPCIVSMLTKELYF 275

RESULT 3
 US-08-462-969B-4 Application US/08462969B
 Sequence 4, Application US/08462969B
 Patent No. 6037150
 GENERAL INFORMATION:
 APPLICANT: He, Wei-Wu et al.
 TITLE OF INVENTION: Intrleukin-1 Beta Converting Enzyme
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Human Genome Sciences, Inc.
 STREET: 9410 Key West Ave.
 CITY: Rockville
 STATE: MD
 COUNTRY: USA
 ZIP: 20830
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #11.0, Version #1.3.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/462,969B
 FILING DATE: 05-JUN-1995
 CLASSIFICATION: 514
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/334,251
 FILING DATE: 11-NOV-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Brookes, A. Anders
 REGISTRATION NUMBER: 36,373
 REFERENCE/DOCKET NUMBER: PFI-40P1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 301-309-8504
 TELEFAX: 301-309-8439
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 277 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-462-969B-4

Query Match 44.7%; Score 719; DB 3; Length 277;
 Best Local Similarity 50.9%; Pred. No. 1; 7e-73; Matches 144; Conservative 49; Mismatches 49; Indels 12; Gaps 3;

QY 18 EDSDAKPDRSSPSLSSKKKNTMSIKTRDRVPTYQNMNFERKLKGKIIINNK 77
 5 ENSYDSKSIR-NLPKPKIHGSESDSGISLDNS-----YKNDYPEMGLCIIINNK 55
 Db 18 EDSDAKPDRSSPSLSSKKKNTMSIKTRDRVPTYQNMNFERKLKGKIIINNK 77
 5 ENSYDSKSIR-NLPKPKIHGSESDSGISLDNS-----YKNDYPEMGLCIIINNK 55
 Db 78 DKVTKMGVRNGTDDKAELPKFCRSLGEDPVIVNDCSCAKMQLIKASEEHTNA 137
 QY 78 DKVTKMGVRNGTDDKAELPKFCRSLGEDPVIVNDCSCAKMQLIKASEEHTNA 137
 56 HKSTGOMTSRSGTDDAALRETRNLKVEVRNDKLTREBIVMLDVSKEDHSKSFV 115
 Db 78 DKVTKMGVRNGTDDKAELPKFCRSLGEDPVIVNDCSCAKMQLIKASEEHTNA 137
 116 CILLSHGEEGIIFGTPVDELKQKLNFFGRDRCSLITGKPLFIIQACRGTELDG 175
 QY 198 SGPNIDTDANPRYKIPVEADFLFAYSTVPGYWSMSPGRGSFWOALSLEHGK 257

RESULT 4
US-08-964-313-6
Sequence 6, Application US/08964313
Patent No. 614132

GENERAL INFORMATION:
 APPLICANT: DESMARais, SYLVIE
 COMPUTER: FRIESEN, RICHARD
 APPLICANT: GRESSER, MICHAEL
 APPLICANT: KENNEDY, BRIAN
 APPLICANT: NICHOlSON, DONALD
 APPLICANT: RAMACHANDRAN, CHIDAMBARAN
 APPLICANT: SKOREY, KATHRYN
 APPLICANT: FORD-HUTCHINSON, ANTHONY
 TITLE OF INVENTION: PHOSPHATASE BINDING ASSAY
 NUMBER OF SEQUENCES: 15

CORRESPONDENCE ADDRESS:
 ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
 STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
 CITY: RAILWAY
 STATE: NJ
 COUNTRY: USA
 ZIP: 07065

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/964,313
 FILING DATE: 04-NOV-1997
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 61/0/030,408
 FILING DATE: 01-NOV-1996
 APPLICATION NUMBER: PCT/CA97/00825
 FILING DATE: 03-NOV-1996

ATTORNEY/AGENT INFORMATION:
 NAME: DURETTE, PHILIPPE L.
 REGISTRATION NUMBER: 35,125
 REFERENCE/DOCKET NUMBER: 19824Y
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 732-594-4568
 TELEFAX: 732-594-4720
 TELEX:

INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 277 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: Linear
 MOLECULE TYPE: Peptide

US-08-964-313-6

Query Match 44 %; Score 719; DB 3; Length 277;
 Best Local Similarity 50 %; Pred. No. 1.7e-73;
 Matches 144; Conservative 49; Mismatches 3; Indels 12; Gaps 3;

Qy 18 EDSDVKPDRESSFVLSFKKKNTRRSKTRDRVPTIQNNNFERKLKGCTIINNKF 77
 5 ENSVDSKSIK-NLEPKIHKSEMSGISLDS-----YKMDPENGCLIIINKP 55

Db 78 DKVTGNGVRNGTDKAELFKCFSLGFVIVYNDSCSKMQLKKASEDTNAACFA 137
 56 HKSTGNTSRSSTDVAANLRETFRKLYEVNRKNDLTREBIVELMRDVSKEDISKSSPV 115

RESULT 5
US-09-9-138-6
Sequence 6, Application US/09069138
Patent No. 6348372

GENERAL INFORMATION:
 APPLICANT: DESMARais, SYLVIE
 COMPUTER: DUFRENE, CLAUDE
 APPLICANT: FRIESEN, RICHARD
 APPLICANT: LEBLANC, YVES
 APPLICANT: ROI, PATRICK
 APPLICANT: YOUNG, ROBERT N.

CORRESPONDENCE ADDRESS:
 ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
 STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
 CITY: RAILWAY
 STATE: NJ
 COUNTRY: USA
 ZIP: 07065

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy Diskette
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/069,138
 FILING DATE: 29-APR-1998
 CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:
 NAME: DURETTE, PHILIPPE L.
 REGISTRATION NUMBER: 35,125
 REFERENCE/DOCKET NUMBER: 19840YIA

TELECOMMUNICATION INFORMATION:
 TELEPHONE: 732-594-4568
 TELEFAX: 732-594-4720
 TELEX:

INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 277 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: Linear
 MOLECULE TYPE: peptide

US-09-069-138-6

Query Match 44 %; Score 719; DB 4; Length 277;
 Best Local Similarity 50 %; Pred. No. 1.7e-73;
 Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

Qy 18 EDSDVKPDRESSFVLSFKKKNTRRSKTRDRVPTIQNNNFERKLKGCTIINNKF 77
 5 ENSVDSKSIK-NLEPKIHKSEMSGISLDS-----YKMDPENGCLIIINKP 55

Db 78 DKVTGNGVRNGTDKAELFKCFSLGFVIVYNDSCSKMQLKKASEDTNAACFA 137
 56 HKSTGNTSRSSTDVAANLRETFRKLYEVNRKNDLTREBIVELMRDVSKEDISKSSPV 115

;

TYPE: PRT
ORGANISM: Homo sapiens
US-08-724-378D-5

Query Match 44 5%; Score 716; DB 4; Length 277;
Best Local Similarity 50.5%; Pred. No. 3.7e-73;
Matches 143; Conservative 50; Mismatches 78; Indels 12; Gaps 3;

QY 18 EDSYDAKPDRESSFVSLFSKKKNTMRSIKTRRVRPYQYNNNPEKLGCIIINNNKF 77
5 ENSVDSKSIK-NLEPRKIHGSEMSMSGISLDS-----YKMDYPENGCLINNKNF 55
Db

QY 78 DKVTGKGVNGTDKDAEALFKCFSLGFDIVVNCSCAKMQLLKASEEDHTNAACFA 137
56 HKSTGMRSGPDVAAUNLBETFRNLKYEVNRKNDLTREBIVELMRDVSKEDHSRSFV 115

Db

QY 138 CILLSHGEENVTYGRGVTPIKDLTAHFRGCKLILLEKPLFQARGTGTELDAAQD 197
116 CULLSHGEEGIIGFTGPGVPIKDLTAHFRGCKLILLEKPLFQARGTGTELDAAQD 175

Db

QY 198 SGPINDTDANPRYKIPVEADLFAYASTVPGYWSWSPGRGSWFWOALCSILEBHGKDEI 257
176 SGVDDDMAC--HKIVDADFLIASTAPGYWSWNSKDSWFOSLCMLKQYADKEF 232

Db

QY 258 MQLTRVNDRYARHFFSOSDPHPHEHKQIPCCVVMILKLYF 300
233 MHLIRVNRKVATEFESFSFDATFHAKQIPCIVSMILKLYF 275

RESULT 12
US-09-516-747-30

Sequence 30, Application US/09516747

PATENT NO. 6586571

GENERAL INFORMATION:

APPLICANT: David WALLACH

COUNTRY: USA

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/516,747

FILING DATE: 01-Mar-2000

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/983,502

FILING DATE: <Unknown>

APPLICATION NUMBER: IL 114,615

FILING DATE: 16-JUL-1995

APPLICATION NUMBER: IL 114,986

FILING DATE: 17-AUG-1995

APPLICATION NUMBER: IL 115,319

FILING DATE: 14-SEP-1995

APPLICATION NUMBER: IL 116,588

FILING DATE: 27-DEC-1995

APPLICATION NUMBER: IL 117,932

FILING DATE: 16-APR-1996

ATTORNEY/AGENT INFORMATION:

NAME: Brody, Roger L.

REGISTRATION NUMBER: 25,618

REFERENCE/DOCKET NUMBER: WALLACH=19

RESULT 13
US-09-10521-30

Sequence 30, Application PC/TUS9610521

GENERAL INFORMATION:

APPLICANT:

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS

NUMBER OF SEQUENCES: 34

CORRESPONDENCE ADDRESS:

ADDRESSEE: Brody and Neinark

STREET: 419 Seventh Street N.W., Ste. 300

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US96/10521

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: IL 114,615

FILING DATE: 16-JUL-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: IL 114,986

FILING DATE: 17-AUG-1995

APPLICATION NUMBER: IL 115,319

FILING DATE: 14-SEP-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: IL 116,588

FILING DATE: 27-DEC-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: IL 117,932

FILING DATE: 16-APR-1996

INFORMATION FOR SEQ ID NO: 30:

SEQUENCE CHARACTERISTICS:

LENGTH: 277 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 30:

US-09-516-747-30

Query Match 44 5%; Score 716; DB 4; Length 277;
Best Local Similarity 50.5%; Pred. No. 3.7e-73;
Matches 143; Conservative 50; Mismatches 78; Indels 12; Gaps 3;

QY 18 EDSYDAKPDRESSFVSLFSKKKNTMRSIKTRRVRPYQYNNNPEKLGCIIINNNKF 77
5 ENSVDSKSIK-NLEPRKIHGSEMSMSGISLDS-----YKMDYPENGCLINNKNF 55
Db

QY 78 DKVTGKGVNGTDKDAEALFKCFSLGFDIVVNCSCAKMQLLKASEEDHTNAACFA 137
56 HKSTGMRSGPDVAAUNLBETFRNLKYEVNRKNDLTREBIVELMRDVSKEDHSRSFV 115

Db

QY 138 CILLSHGEENVTYGRGVTPIKDLTAHFRGCKLILLEKPLFQARGTGTELDAAQD 197
116 CULLSHGEEGIIGFTGPGVPIKDLTAHFRGCKLILLEKPLFQARGTGTELDAAQD 175

Db

QY 198 SGPINDTDANPRYKIPVEADLFAYASTVPGYWSWSPGRGSWFWOALCSILEBHGKDEI 257
176 SGVDDDMAC--HKIVDADFLIASTAPGYWSWNSKDSWFOSLCMLKQYADKEF 232

Db

QY 258 MQLTRVNDRYARHFFSOSDPHPHEHKQIPCCVVMILKLYF 300
233 MHLIRVNRKVATEFESFSFDATFHAKQIPCIVSMILKLYF 275

Db

QY 198 SGPINDTDANPRYKIPVEADLFAYASTVPGYWSWSPGRGSWFWOALCSILEBHGKDEI 257
176 SGVDDDMAC--HKIVDADFLIASTAPGYWSWNSKDSWFOSLCMLKQYADKEF 232

Db

QY 138 CILLSHGEENVTYGRGVTPIKDLTAHFRGCKLILLEKPLFQARGTGTELDAAQD 197
116 CULLSHGEEGIIGFTGPGVPIKDLTAHFRGCKLILLEKPLFQARGTGTELDAAQD 175

Db

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

PCT-US96-10521-30

Query Match

44.5%; Score 716; DB 5; Length 277;

Best Local Similarity 50.5%; Pred. No. 3.7e-73; Mismatches 79; Indels 12; Gaps 3; Matches 143; Conservative 49; MisMatches 50; Missmatches 78; Index 12; Gaps 3;

QY

18 EDSVDAKPRSSFPVSLSFKKKKVMTMASIKTRDRVTIQYNNFEKGKIIINNKF 77

Db

5 ENSVDSKSIC-NLPEPKIHGSEMSMDGSISLDNS-----YKNDYPBMGLIINNKF 55

QY

78 DKVYGMGVNGTDKDAEALFKCFFSLGFDVIVVNDSCAKMQLIKKASEEDHTNAACFA 137

Db

56 HKSTGTTSGTDDAANLRETENNIKEFVNNDLTREELVLMRVSKEHSSKFV 115

QY

138 CILSHGEENVYIGDGVPIKOLTAHFRGDRCKTLLEPKKPFQACRGTEDDAQAD 197

Db

116 CVLISHGEEGIIFGTINGPVDLKITNFGRDRCSLTGKPKLIQACRGTEBDGIEID 175

QY

198 SGPINDTDANPRYKIPVEADFLFAYSTPGYYSWRSPRSRGWSWVQALCISLEHKGDEI 257

Db

176 SGVDDDMAC---HKLPVADFLFAYSTPGYYSWRSPRSRGWSWVQALCISLEHKGDEI 232

QY

258 MQILTRVNDVARIFESQSDPDPHEKROIIPCIVSMLTKEYF 300

Db

233 MHILTRVNRKVATPESFSDATTHAKOQIPCIVSMLTKEYF 275

RESULT 14

US-08-964-308-10

Sequence 10, Application US/08964308

Patent No. 6066715

GENERAL INFORMATION:

APPLICANT: DESMARIS, SYLVIE

APPLICANT: FRIESEN, RICHARD

APPLICANT: ZAMBONI, ROBERT

TIME OF INVENTION: NEW LIGANDS FOR PHOSPHATASE

TIME OF INVENTION: BINDING ASSAY

NUMBER OF SEQUENCES: 15

CORRESPONDENCE ADDRESS:

ADDRESSEE: ROBERT J. NORTH - MERCK & CO., INC.

STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000

CITY: Rahway

STATE: NJ

COUNTRY: USA

ZIP: 07065

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy Diskette

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/964,308

FILING DATE: 04-NOV-1996

CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:

NAME: NORTH, ROBERT J

REGISTRATION NUMBER: 27,366

REFERENCE/DOCKET NUMBER: 19840 PCT

TELECOMMUNICATION INFORMATION:

TELEPHONE: 732-94-7262

TELEFAX: 732-594-4720

TELEX:

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 277 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-964-308-10

Query Match

44.1%; Score 709; DB 3; Length 277;

Best Local Similarity 50.5%; Pred. No. 2.3e-72; Mismatches 79; Indels 12; Gaps 3; Matches 143; Conservative 49; MisMatches 50; MisMatches 78; Index 12; Gaps 3;

QY

18 EDSVDAKPRSSFPVSLSFKKKKVMTMASIKTRDRVTIQYNNFEKGKIIINNKF 77

Db

5 ENSVDSKSIC-NLPEPKIHGSEMSMDGSISLDNS-----YKNDYPBMGLIINNKF 55

QY

78 DKVYGMGVNGTDKDAEALFKCFFSLGFDVIVVNDSCAKMQLIKKASEEDHTNAACFA 137

Db

138 CILSHGEENVYIGDGVPIKOLTAHFRGDRCKTLLEPKKPFQACRGTEDDAQAD 197

Db

176 SGVDDDMAC---HKLPVADFLFAYSTPGYYSWRSPRSRGWSWVQALCISLEHKGDEI 232

QY

258 MQILTRVNDVARIFESQSDPDPHEKROIIPCIVSMLTKEYF 300

Db

233 MHILTRVNRKVATPESFSDATTHAKOQIPCIVSMLTKEYF 275

RESULT 15

US-08-964-313-10

Sequence 10, Application US/08964313

Patent No. 6114132

GENERAL INFORMATION:

APPLICANT: DESMARIS, SYLVIE

APPLICANT: FRIESEN, RICHARD

APPLICANT: GRESSL, MICHAEL

APPLICANT: KENNEDY, BRIAN

APPLICANT: NITCHOLAN, DONALD

APPLICANT: RAMACHANDRAN, CHIDAMBARAN

APPLICANT: SKORE, KATHRYN

APPLICANT: FORD-HUTCHINSON, ANTHONY

TIME OF INVENTION: PHOSPHATASE BINDING ASSAY

NUMBER OF SEQUENCES: 15

CORRESPONDENCE ADDRESS:

ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.

STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000

CITY: Rahway

STATE: NJ

COUNTRY: USA

ZIP: 07065

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/964,313

FILING DATE: 04-NOV-1997

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/030,408

FILING DATE: 04-NOV-1996

APPLICATION NUMBER: PCT/CA97/00825

FILING DATE: 03-NOV-1996

ATTORNEY/AGENT INFORMATION:

NAME: DURETTE, PHILIPPE L.

REGISTRATION NUMBER: 35,125

REFERENCE/DOCKET NUMBER: 19824Y

TELECOMMUNICATION INFORMATION:

TELEPHONE: 732-94-4568

TELEFAX: 732-594-4720

TELEX:

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: December 29, 2003, 16:35:56 ; Search time 36 Seconds

Scoring table: BLOSUM62

Title: US-09-895-263B-4

Perfect score: 1463

Sequence: 1 MENTENSVDSKSIKNLEPKI.....AKKQIIPCIVSMLTKEYFH 277

Searched: Gapop 10.0 , Gapext 0.5

Total number of hits satisfying chosen parameters: 439251

Minimum DB seq length: 9

Maximum DB seq length: 277

Post-processing: Maximum Match 0%

Listing first 45 summaries

Database : Published Applications AA:*

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2: /cggn2_6/ptodata/1/pubpaas/PCT_NNEW_PUB_pep:*

3: /cggn2_6/ptodata/1/pubpaas/US08_PUBCOMB_pep:*

4: /cggn2_6/ptodata/1/pubpaas/US06_PUBCOMB_pep:*

5: /cggn2_6/ptodata/1/pubpaas/US07_PUBCOMB_pep:*

6: /cggn2_6/ptodata/1/pubpaas/PCRS_PUBCOMB_pep:*

7: /cggn2_6/ptodata/1/pubpaas/US09_NNEW_PUB_pep:*

8: /cggn2_6/ptodata/1/pubpaas/US08_PUBCOMB_pep:*

9: /cggn2_6/ptodata/1/pubpaas/US09_PUBCOMB_pep:*

10: /cggn2_6/ptodata/1/pubpaas/US09_PUBCOMB_pep:*

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12: /cggn2_6/ptodata/1/pubpaas/US09_NNEW_PUB_pep:*

13: /cggn2_6/ptodata/1/pubpaas/US09_PUBCOMB_pep:*

14: /cggn2_6/ptodata/1/pubpaas/US09_PUBCOMB_pep:*

15: /cggn2_6/ptodata/1/pubpaas/US09_NNEW_PUB_pep:*

16: /cggn2_6/ptodata/1/pubpaas/US09_NNEW_PUB_pep:*

17: /cggn2_6/ptodata/1/pubpaas/US09_NNEW_PUBCOMB_pep:*

18: /cggn2_6/ptodata/1/pubpaas/US09_PUBCOMB_pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

%
Result
No. Score Query Length DB ID Description

1 1463 10.0 277 9 US-09-895-263-4 Sequence 4, Appli
2 1463 10.0 277 15 US-10-214-932-108 Sequence 108, Appli
3 1463 10.0 277 15 US-10-207-655-202 Sequence 202, Appli
4 1460 9.9 277 10 US-09-54-697-12 Sequence 12, Appli
5 1460 9.9 277 12 US-09-851-873-98 Sequence 98, Appli
6 1460 9.9 277 12 US-10-280-670-5 Sequence 5, Appli
7 1460 9.9 277 12 US-10-368-438-30 Sequence 30, Appli
8 1441 9.8 277 12 US-10-155-567-4 Sequence 4, Appli
9 1397 9.5 264 14 US-10-103-448-3 Sequence 3, Appli
10 1397 9.5 264 14 US-10-108-929-3 Sequence 3, Appli
11 833 56.9 182 9 US-09-805-905-2 Sequence 2, Appli
12 771 52.7 147 15 US-10-214-932-110 Sequence 110, Appli
13 551 37.7 102 15 US-10-214-932-112 Sequence 112, Appli
14 418.5 28.6 204 15 US-10-171-077-7 Sequence 7, Appli
15 342.5 23.4 266 12 US-10-368-438-20 Sequence 20, Appli

RESULT 1
US-09-895-263-4
Sequence 4, Application US/09895263
Patent No. US20020076731A1

GENERAL INFORMATION:

APPLICANT: He, Wei-Wu et al
TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Ave.
CITY: Rockville
STATE: MD
COUNTRY: USA
ZIP: 20850

COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOSS-MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/895,263
FILING DATE: 02-Jul-2001
CLASSIFICATION: <Unknown>

PRIOR ART INFORMATION:
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Jonathan L. Klein
REGISTRATION NUMBER: 41,119
REFERENCE/DOCKET NUMBER: PFI40
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-251-6015
FAX: 301-309-4349
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-09-895-263-4

Query Match 100.0%; Score 1463; DB 9; Length 277;
Best Local Similarity 100.0%; Pred. No. 1.2e-143; Mismatches 0; Indels 0; Gaps 0;

Matches 277; Conservative 0; Mismatches 0;

QY ||||||| MENTENSVDSKSKRNLEPKIHLGSESMDSGSISLDNSYKMDYPEMGCIINNKNFHKGST 60
1 MENTENSVDSKSKRNLEPKIHLGSESMDSGSISLDNSYKMDYPEMGCIINNKNFHKGST 60

Db 61 MTSRSGDVIDAANLREFRNLKVEVRNKNDLTREVELVLMRDVSBDHSKRSFFVCVLLS 120
1 MTSRSGDVIDAANLREFRNLKVEVRNKNDLTREVELVLMRDVSBDHSKRSFFVCVLLS 120

QY ||||||| HGEGLIGITFGTNGPVLKKTINPRGRCRSLTGKPKLFIQACRGTEFLDGEGIETSGVDD 180
121 HGEGLIGITFGTNGPVLKKTINPRGRCRSLTGKPKLFIQACRGTEFLDGEGIETSGVDD 180

Db 121 HGEGLIGITFGTNGPVLKKTINPRGRCRSLTGKPKLFIQACRGTEFLDGEGIETSGVDD 180

QY ||||||| DMACKPKPVEADFLYLAVSTAPGYSWNRNSKGSSWFLQSLCAMLKQYADKLFPHMILTRVN 240
181 DMACKPKPVEADFLYLAVSTAPGYSWNRNSKGSSWFLQSLCAMLKQYADKLFPHMILTRVN 240

Db 241 RKVATEFESFSFDATFHAKKQIPCIVSMLTKELYFYH 277
1 MENTENSVDSKSKRNLEPKIHLGSESMDSGSISLDNSYKMDYPEMGCIINNKNFHKGST 60

RESULT 2 US-10-214-932-108

Publication No. US2003010707A1

; Sequence 108, Application US/10214932

; GENERAL INFORMATION:

; APPLICANT: HWANG, Inhwan

; APPLICANT: KIM, Dae Heon

; APPLICANT: LEE, Yong Jik

; TITLE OF INVENTION: SYSTEM FOR DETECTING PROTEASE FILE REFERENCE: APP02/US CURRENT APPLICATION NUMBER: US/10/214, 932 CURRENT FILING DATE: 2002-08-08 NUMBER OF SEQ ID NOS: 133 SOFTWARE: Patentin version 3.1 SEQ ID NO 108

; LENGTH: 277

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-207-655-202

Query Match 100.0%; Score 1463; DB 15; Length 277;
Best Local Similarity 100.0%; Pred. No. 1.2e-143; Mismatches 0; Indels 0; Gaps 0;

Matches 277; Conservative 0; Mismatches 0;

QY ||||||| MENTENSVDSKSKRNLEPKIHLGSESMDSGSISLDNSYKMDYPEMGCIINNKNFHKGST 60
1 MENTENSVDSKSKRNLEPKIHLGSESMDSGSISLDNSYKMDYPEMGCIINNKNFHKGST 60

Db 121 HGEGLIGITFGTNGPVLKKTINPRGRCRSLTGKPKLFIQACRGTEFLDGEGIETSGVDD 180
1 MTSRSGDVIDAANLREFRNLKVEVRNKNDLTREVELVLMRDVSBDHSKRSFFVCVLLS 120

QY ||||||| HGEGLIGITFGTNGPVLKKTINPRGRCRSLTGKPKLFIQACRGTEFLDGEGIETSGVDD 180
181 DMACKPKPVEADFLYLAVSTAPGYSWNRNSKGSSWFLQSLCAMLKQYADKLFPHMILTRVN 240

Db 181 DMACKPKPVEADFLYLAVSTAPGYSWNRNSKGSSWFLQSLCAMLKQYADKLFPHMILTRVN 240

QY ||||||| DMACKPKPVEADFLYLAVSTAPGYSWNRNSKGSSWFLQSLCAMLKQYADKLFPHMILTRVN 240

Db 241 RKVATEFESFSFDATFHAKKQIPCIVSMLTKELYFYH 277

RESULT 4 US-09-954-697-12

Sequence 12, Application US/09954697

Patent No. US200200631A1

; GENERAL INFORMATION:

; APPLICANT: ALnemri, Emaad S.

; TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USSES FILE REFERENCE: 4,0140_431D2

; CURRENT APPLICATION NUMBER: US/09/954, 697

; CURRENT FILING DATE: 2001-09-14

; NUMBER OF SEQ ID NOS.: 116

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO: 12

; LENGTH: 277

; TYPE: PRT

; ORGANISM: Homo sapien

US-09-954-697-12

Query Match 99.8%; Score 1460; DB 10; Length 277;
Best Local Similarity 99.6%; Pred. No. 2.5e-143; Mismatches 0; Indels 0; Gaps 0;

Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY ||||||| MTSRSGDVIDAANLREFRNLKVEVRNKNDLTREVELVLMRDVSBDHSKRSFFVCVLLS 120
61 MTSRSGDVIDAANLREFRNLKVEVRNKNDLTREVELVLMRDVSBDHSKRSFFVCVLLS 120

Db 121 HGEGLIGITFGTNGPVLKKTINPRGRCRSLTGKPKLFIQACRGTEFLDGEGIETSGVDD 180
121 HGEGLIGITFGTNGPVLKKTINPRGRCRSLTGKPKLFIQACRGTEFLDGEGIETSGVDD 180

Db 181 DMACKPKPVEADFLYLAVSTAPGYSWNRNSKGSSWFLQSLCAMLKQYADKLFPHMILTRVN 240
181 DMACKPKPVEADFLYLAVSTAPGYSWNRNSKGSSWFLQSLCAMLKQYADKLFPHMILTRVN 240

QY ||||||| RKVATEFESFSFDATFHAKKQIPCIVSMLTKELYFYH 277

1 MENTENSVDISKIKNLEPKIHGSSEMSMGISLDNSYKNDYPBMLCIIINNKFHKSTG 60 ; TITLE OF INVENTION: PROTEASE
Db ; FILE REFERENCE: 0643-0019-01000
QY ; CURRENT APPLICATION NUMBER: US/10/280,670
Db ; CURRENT FILING DATE: 2002-10-24
; PRIOR APPLICATION NUMBER: 08/724,378
; PRIORITY DATE: 1995-10-01
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-280-670-5
Query Match 99.8%; Score 1460; DB 12; Length 277;
Best Local Similarity 99.6%; Pred No. 2,5e-143; Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
RESULT 5 ;
US-09-851-873-98 ;
; Sequence 98, Application US/09951873
; Publication No. US2003015488A1
; GENERAL INFORMATION:
; APPLICANT: Kleczien, Rolf F
; APPLICANT: Reddon, Ilene M
; APPLICANT: Welland, Katherine L
; TITLE OF INVENTION: HUMAN CASPASE-12 MATERIALS AND METHODS
; FILE REFERENCE: 28347/0033
; CURRENT APPLICATION NUMBER: US/09/851,873
; CURRENT FILING DATE: 2001-05-08
; NUMBER OF SEQ-ID NOS: 105
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 98
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-851-873-98
Query Match 99.8%; Score 1460; DB 12; Length 277;
Best Local Similarity 99.6%; Pred No. 2,5e-143; Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
RESULT 5 ;
US-09-851-873-98 ;
; Sequence 98, Application US/09951873
; Publication No. US2003015488A1
; GENERAL INFORMATION:
; APPLICANT: Kleczien, Rolf F
; APPLICANT: Reddon, Ilene M
; APPLICANT: Welland, Katherine L
; TITLE OF INVENTION: HUMAN CASPASE-12 MATERIALS AND METHODS
; FILE REFERENCE: 28347/0033
; CURRENT APPLICATION NUMBER: US/09/851,873
; CURRENT FILING DATE: 2001-05-08
; NUMBER OF SEQ-ID NOS: 105
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 98
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-851-873-98
Query Match 99.8%; Score 1460; DB 12; Length 277;
Best Local Similarity 99.6%; Pred No. 2,5e-143; Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
RESULT 5 ;
US-10-368-438-30 ;
; Sequence 30, Application US/10368438
; Publication No. US2003021941A1
; GENERAL INFORMATION:
; APPLICANT: David WALLACH
; APPLICANT: Mark P. BOLDIN
; APPLICANT: Tanya M. GONCHAROV
; APPLICANT: Yury V. GOLTEV
; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brody and Neimark
; STREET: 419 Seventh Street N.W., Ste. 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/368,438
; FILING DATE: 20-Feb-2003
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/10280670
; Publication No. US20030170812A1
; GENERAL INFORMATION:
; APPLICANT: JUAN, SHAO-CHIEH
; APPLICANT: FLETCHER, FREDRICK A.
; APPLICANT: PATTERSON, SCOTT D.
; TITLE OF INVENTION: INTERLEUKIN 1-BETA CONVERTING ENZYME LIKE CYSTEINE
; RESULT 6 ;
US-10-280-670-5 ;
; Sequence 5, Application US/10280670
; Publication No. US20030170812A1
; GENERAL INFORMATION:
; APPLICANT: JUAN, SHAO-CHIEH
; APPLICANT: FLETCHER, FREDRICK A.
; APPLICANT: PATTERSON, SCOTT D.
; TITLE OF INVENTION: INTERLEUKIN 1-BETA CONVERTING ENZYME LIKE CYSTEINE

APPLICATION NUMBER: IL 114, 986
 FILING DATE: 17-AUG-1995
 APPLICATION NUMBER: IL 115, 319
 FILING DATE: 14-SEP-1995
 APPLICATION NUMBER: IL 116, 588
 FILING DATE: 27-DEC-1995
 APPLICATION NUMBER: IL 117, 932
 FILING DATE: 16-APR-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Browdy, Roger L.
 REGISTRATION NUMBER: 25, 618
 REFERENCE/DOCKET NUMBER: WALLACH=19
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 628-5197
 TELEFAX: (202) 737-3528

INFORMATION FOR SEQ ID NO: 30:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 277 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 30:

US-10-368-438-30
 Query Match 99.8%; Score 1460; DB 12; Length 277;
 Best Local Similarity 99.6%; Pred. No. 2.5e-143; Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSDVSKSIKLEPKIHGFSMSDGMWGDYKDYPEGLCIIINKNPKHKG 60
 Db 1 MENTENSDVSKSIKLEPKIHGFSMSDGMWGDYKDYPEGLCIIINKNPKHKG 60
 QY 1 MENTENSDVSKSIKLEPKIHGFSMSDGMWGDYKDYPEGLCIIINKNPKHKG 60
 Db 61 MTSRGIDVDANLRETFRLKLYERFNKNLTREBIVELMRDVSKEHDHSKRSSVCVLIS 120
 QY 121 HEEEGIIFGTTGPPVDEKKITNFRDRCRSLTGKRLFTIQACGTGELDGIGEIDSGVDP 180
 Db 121 HEEEGIIFGTTGPPVDEKKITNFRDRCRSLTGKRLFTIQACGTGELDGIGEIDSGVDP 180
 QY 181 DMACKIPVEADFLAYSTAPGGYSWRNSKGSMPIQSCAMIKOYADKLFMHLTRVN 240
 Db 181 DMACKIPVEADFLAYSTAPGGYSWRNSKGSMPIQSCAMIKOYADKLFMHLTRVN 240
 QY 241 RKVATEPESFSDATPHAKQIPCIUSMLTKELYFH 277
 Db 241 RKVATEPESFSDATPHAKQIPCIUSMLTKELYFH 277

RESULT 9
 US-10-103-448-3
 ; Sequence 3, Application US/10103448
 ; Publication No. US20020155579A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Krebs, Joseph F.
 ; APPLICANT: Srinivasan, Anu
 ; APPLICANT: Fritz, Lawrence C.
 ; APPLICANT: Wu, Joseph C.
 ; TITLE OF INVENTION: MEMBRANE DERIVED CASPASE 3, COMPOSITIONS
 ; TITLE OF INVENTION: MEMBRANE DERIVED CASPASE 3, COMPOSITIONS
 ; FILE REFERENCE: 480140_468D1
 ; CURRENT APPLICATION NUMBER: US/10/103, 448
 ; CURRENT FILING DATE: 2002-03-20
 ; NUMBER OF SEQ ID NOS: 7
 ; SOFTWARE: RASCSEQ FOR Windows Version 4.0
 ; SEQ ID NO: 3
 ; LENGTH: 264
 ; TYPE: PRT
 ; ORGANISM: Homo sapien

US-10-103-448-3
 Query Match 95.5%; Score 1397; DB 14; Length 264;
 Best Local Similarity 99.6%; Pred. No. 8.4e-137; Matches 263; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 14 KNLIEPKIHGSMSDGMWGDYKDYPEGLCIIINKNPKHKGITGMISRSGIDVAAN 73
 Db 1 KNIEPKIHGSMSDGMWGDYKDYPEGLCIIINKNPKHKGITGMISRSGIDVAAN 73
 QY 74 LRETFRNLKYEVFKNDLTREBIVELMRDVSKEHDHSKRSSVCVLISHEEGIIFGTTGP 133
 Db 61 LRETFRNLKYEVFKNDLTREBIVELMRDVSKEHDHSKRSSVCVLISHEEGIIFGTTGP 120
 QY 134 VOLKKTINFRDRCRSLTGKRLFTIQACGTGELDGIGEIDSGVDPDDMACHKTEVADF 193
 Db 121 VOLKKTINFRDRCRSLTGKRLFTIQACGTGELDGIGEIDSGVDPDDMACHKLPVDAF 180
 QY 194 LYVAYSTAPGGYSWRNSKGSMPIQSCAMIKOYADKLFMHLTRVNRYKATEPESFSD 253
 Db 181 LYVAYSTAPGGYSWRNSKGSMPIQSCAMIKOYADKLFMHLTRVNRYKATEPESFSD 240
 QY 254 ATHAKQIPCIUSMLTKELYFH 277
 Db 241 ATHAKQIPCIUSMLTKELYFH 277

RESULT 10
 US-10-108-929-3
 ; Sequence 3, Application US/10108929
 ; Publication No. US20020197702A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Krebs, Joseph F.

GENERAL INFORMATION:
 APPLICANT: CHRISTAKOS, Sylvia
 TITLE OF INVENTION: CALBINDIN-D 28K PROTECTION AGAINST GLUCOCORTICOID INDUCED CELL DE
 FILE REFERENCE: 2671266
 CURRENT APPLICATION NUMBER: US/10/115, 567
 CURRENT FILING DATE: 2002-05-23
 NUMBER OF SEQ ID NOS: 4
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 4
 LENGTH: 277
 TYPE: PRT
 ORGANISM: homosapiens
 US-10-155-567-4
 ; Sequence 4, Application US/10155567
 ; Publication No. US200219422A1
 ; GENERAL INFORMATION:
 APPLICANT: CHRISTAKOS, Sylvia
 TITLE OF INVENTION: CALBINDIN-D 28K PROTECTION AGAINST GLUCOCORTICOID INDUCED CELL DE
 FILE REFERENCE: 2671266
 CURRENT APPLICATION NUMBER: US/10/115, 567
 CURRENT FILING DATE: 2002-05-23
 NUMBER OF SEQ ID NOS: 4
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 4
 LENGTH: 277
 TYPE: PRT
 ORGANISM: homosapiens
 US-10-155-567-4

Query Match 98.5%; Score 1441; DB 12; Length 277;
 Best Local Similarity 98.2%; Pred. No. 2.4e-141; Matches 272; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 MENTENSDVSKSIKLEPKIHGFSMSDGMWGDYKDYPEGLCIIINKNPKHKG 60

```

; APPLICANT: Srinivasan, Ann
; APPLICANT: Fritz, Lawrence C.
; APPLICANT: Wu, Joseph C.
; TITLE OF INVENTION: MEMBRANE DERIVED CASPASE-3, COMPOSITIONS
; TITLE OF INVENTION: COMPRISING THE SAME AND METHODS OF USE THEREFOR
FILE REFERENCE: 480140_46802
CURRENT APPLICATION NUMBER: US/10/108, 929
CURRENT FILING DATE: 2002-03-26
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 3
LENGTH: 264
TYPE: PRT
ORGANISM: Homo sapien
US-10-8929-3

Query Match 95.5%; Score 1397; DB 14; Length 264;
Best Local Similarity 99.6%; Pred. No. 8.4e-137; Matches 263; Conservative 1; Mismatches 0; Indels 0; Gaps 0; Gaps
Matches 263; Conservative 1; Mismatches 0; Indels 0; Gaps 0; Gaps
Qy 14 RKLKEPKIHGSMSMDGKSLDSNSYKMDYPENGCLTINNKNFKHSTG 14
Db 1 KNLKEPKIHGSMSMDGKSLDSNSYKMDYPENGCLTINNKNFKHSTG 60
Qy 74 LRBTFRNKYEVTRNKDLTREELVLMRDVSDEDSRSRSPFCVCLSHGEEGIIFTNGP 74
Db 61 LRETRFRNLKYEVRNKDLTREELVLMRDVSDEDSRSRSPFCVCLSHGEEGIIFTNGP 120
Qy 134 VOLKKITNFFGRGRCSRSLTGKPKLFIQACRGTELDGIELDGVDDMACHKIPVADP 134
Db 121 VOLKKITNFFGRGRCSRSLTGKPKLFIQACRGTELDGIELDGVDDMACHKIPVADP 180
Qy 194 LYAYSTAGYISWRNSKGSKGSNFQSLCAMKQYADKLEFPMHLTRNRKVAEFSFSFD 194
Db 181 LYAYSTAGYISWRNSKGSKGSNFQSLCAMKQYADKLEFPMHLTRNRKVAEFSFSFD 240
Qy 254 ATFHAKKQIPICTVSMLTRELYFVH 254
Db 241 ATFHAKKQIPICTVSMLTRELYFVH 264

RESULT 11
US-09-809-905-2
; Sequence 2, Application US/09809905
; Patent No. US0020011806A1
; GENERAL INFORMATION:
; APPLICANT: Huang, Yuanhui
; APPLICANT: Sun, Yi
; APPLICANT: Wang, Kevin Ka-Wang
; TITLE OF INVENTION: CASPASE-3S SPlicing VARIANT
; FILE REFERENCE: U.S. Application A000024
; CURRENT APPLICATION NUMBER: US/09/809, 905
; CURRENT FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/204, 468
; PRIOR FILING DATE: 2000-05-16
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 182
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-809-905-2

Query Match 56.9%; Score 833; DB 9; Length 182;
Best Local Similarity 100.0%; Pred. No. 2.1e-78; Matches 161; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Gaps
Qy 1 MENTENSYDKSKIKLKEPKIHGSMSMDGKSLDSNSYKMDYPENGCLTINNKNFKHSTG 1
Db 1 MENTENSYDKSKIKLKEPKIHGSMSMDGKSLDSNSYKMDYPENGCLTINNKNFKHSTG 60
Qy 61 MTSQSGTDDAANRERETFLNLYEVTRNKDLTREELVLMRDVSDEDSRSRSPFCVLLS 61
Db 121 HGERGIIIGTNGPVDLKKITNFFGRGRCSRSLTGKPKLFIQ 121
Db 121 HGEGLGIGTNGPVDLKKITNFFGRGRCSRSLTGKPKLFIQ 161

RESULT 12
US-10-214-932-110
; Sequence 110, Application US/10214932
; Publication No. US20030100707A1
; GENERAL INFORMATION:
; APPLICANT: HWANG, Inhwan
; APPLICANT: KIM, Dae Heon
; APPLICANT: LEE, Yong Jik
; TITLE OF INVENTION: SYSTEM FOR DETECTING PROTEASE
; FILE REFERENCE: A002/US
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 110
; LENGTH: 147
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-214-932-110

Query Match 52.7%; Score 771; DB 15; Length 147;
Best Local Similarity 100.0%; Pred. No. 4.4e-72; Matches 147; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Gaps
Matches 147; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Gaps
Qy 29 SGISLDSNSYKMDYPENGCLTINNKNFKHSTGTSRSTDVPAANLRETFRNKYEVNK 29
Db 1 SGISLDSNSYKMDYPENGCLTINNKNFKHSTGTSRSTDVPAANLRETFRNKYEVNK 60
Qy 89 NDLTREELVLMRDVSDEDSRSRSPFCVCLSHGEEGIIFTNGPVDLKKITNFFGRDC 89
Db 61 NDLTREELVLMRDVSDEDSRSRSPFCVCLSHGEEGIIFTNGPVDLKKITNFFGRDC 120
Qy 149 RSLIGKPKLFIQACRGTELDGIELTD 149
Db 121 RSLIGKPKLFIQACRGTELDGIELTD 147

RESULT 13
US-10-214-932-112
; Sequence 112, Application US/10214932
; Publication No. US20030100707A1
; GENERAL INFORMATION:
; APPLICANT: HWANG, Inhwan
; APPLICANT: KIM, Dae Heon
; APPLICANT: LEE, Yong Jik
; TITLE OF INVENTION: SYSTEM FOR DETECTING PROTEASE
; FILE REFERENCE: A002/US
; CURRENT APPLICATION NUMBER: US/10/214, 932
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 112
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-214-932-112

Query Match 37.7%; Score 551; DB 15; Length 102;
Best Local Similarity 100.0%; Pred. No. 1.9e-49; Matches 102; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Gaps
Matches 102; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Gaps
Qy 176 SGVDDDMACKPKVADFLYAYSTAGYISWRNSKGSKGSNFQSLCAMKQYADKLEFPMH 176
Db 1 SGVDDDMACKPKVADFLYAYSTAGYISWRNSKGSKGSNFQSLCAMKQYADKLEFPMH 235
Qy 236 LTRVRKVAEFSFSFDATFHAKKQIPICTVSMLTRELYFVH 236

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Db 61 LTRVRKVATEFESTSFATPHAKQIPICTIVSMLKELYFYH 102 RESULT 14
US-10-171-077-7 Sequence 7, Application US/10171077
; Publication No. US20030022353A1
; GENERAL INFORMATION:
; APPLICANT: Litwack, Gerald
; Almehri, Emad S.
; Ferrander-Almehri, Teresa
; TITLE OF INVENTION: McIZ, AN APOPTOTIC CYSTEINE PROTEASE, AND COMPOSITIONS FOR MAKING AND METHODS
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. US20030022353A1
STREET: One Liberty Place, 46th floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/171,077
FILING DATE: 12-Jun-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/446,925
REFERENCE/DOCKET NUMBER: TUU-1508
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
MOLECULE TYPE: protein
TOPOLOGY: linear
LENGTH: 204 amino acids
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-171-077-7
Query Match 28.5%; Score 418.5; DB 15; Length 204;
Best Local Similarity 43.9%; Pred. No. 3.1e-35;
Matches 82; Conservative 29; Mismatches 63; Indels 13; Gaps 1;
Qy 103 VSKEDHSRSRFSFVCLVLSHGEGSIIFGTINGPVLKKTINFRGRDRSITGKPKFIQIA 162
Db 14 VSTVSHADCFVCFVFLSHGBEHTIYAYDAKEIQTIGLKGDKHQVKPKPFIQIA 73 RESULT 15
US-10-368-438-2-0 Query Match 23.4%; Score 342.5; DB 12; Length 266;
Best Local Similarity 38.0%; Pred. No. 3.6e-20;
Matches 81; Conservative 42; Mismatches 73; Indels 17; Gaps 6;
Qy 74 CRGNQHOpVPLDWDVNQTERKLDTNTEVDASVYLPAGADFLMCYSAEGYVSHRET 133
Db 210 KDGSSWFQSLCAMKQVADKLFMWHITRVARKVATEFESTSFATPHAKQIPICTIVSML 269 RESULT 16
134 VNGSWWYIOLCEVLGKGYSLSRFELTLVNRKVSQRRVDFCKDSAIKGKQVCPASML 193
Qy 270 TKEFLYFY 276
Db 194 TKGLHFF 200
Qy 133 PNDLKKTINPRGRDRSITGKPKFIQIAORGTELDGCI-ETSG---VDDDMACK 186
Db 117 EAPIVLTISOFTRGKPKPSLAGPKVPIQACQDNYQKGIRVETDSEBQYLEMPSQ 176
Qy 187 -IPVADFLIASTAPGIVSRNSRDGSWLSIQSCAMKQVADK-LFHMILTRVNRK 242

Tue Dec 30 06:50:35 2003

us-09-895-263b-4.closed.rapb

Page 7

Db 177 TRYIPDEADFLIGMIAVNVCVSIRPAEGTWIQLCOSLRCPRGDDILITBVNE 236
QY 243 VATBEFESTSFDAFHAKKOIPCTIVSMULKELYF 275
Db 237 VSNK-----DDKKNGKOMPQPTFTLRRKLVF 263

Search completed: December 29, 2003, 16:41:45
Job time : 37 secs

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OM protein - protein search, using sw model

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Sequence: 1 ADDQGCIEEQVEDSANEDS.....EKKQ1PCVVSMILKELYFSQ 302
Scoring table: BLUSUM62

Gapp 10.0 , Gapext 0.5
Searched: 724715 seqs, 199017464 residues
Total number of hits satisfying chosen parameters: 462917

Minimum DB seq length: 0
Maximum DB seq length: 302
Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:
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 2: /cggn_6/prodata/2/pupbaa/PCT_NEW_PUB.pep: *
 3: /cggn_6/prodata/2/pupbaa/us06_PUBCOMB.pep: *
 4: /cggn_6/prodata/2/pupbaa/us05_PUBCOMB.pep: *
 5: /cggn_6/prodata/2/pupbaa/us07_NEW_PUB.pep: *
 6: /cggn_6/prodata/2/pupbaa/PCTNS_PUBCOMB.pep: *
 7: /cggn_6/prodata/2/pupbaa/us08_PUBCOMB.pep: *
 8: /cggn_6/prodata/2/pupbaa/us09_PUBCOMB.pep: *
 9: /cggn_6/prodata/2/pupbaa/us07_PUBCOMB.pep: *
 10: /cggn_6/prodata/2/pupbaa/us08_PUBCOMB.pep: *
 11: /cggn_6/prodata/2/pupbaa/us09_PUBCOMB.pep: *
 12: /cggn_6/prodata/2/pupbaa/us09_NEW_PUB.pep: *
 13: /cggn_6/prodata/2/pupbaa/us09_PUBCOMB.pep: *
 14: /cggn_6/prodata/2/pupbaa/us08_PUBCOMB.pep: *
 15: /cggn_6/prodata/2/pupbaa/us09_PUBCOMB.pep: *
 16: /cggn_6/prodata/2/pupbaa/us10_NEW_PUB.pep: *
 17: /cggn_6/prodata/2/pupbaa/us60_NEW_PUB.pep: *
 18: /cggn_6/prodata/2/pupbaa/us60_PUBCOMB.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID	Description
1	778.5	48.4	253	15 US-10-198-070-28 Sequence 28, Appl
2	719	44.7	277	9 US-09-895-263-4 Sequence 4, Appl
3	719	44.7	277	15 US-10-214-932-08 Sequence 108, App
4	719	44.7	277	15 US-10-214-932-08 Sequence 202, App
5	717	44.6	277	12 US-10-155-567-4 Sequence 4, Appl
6	716	44.5	277	10 US-09-954-697-12 Sequence 12, Appl
7	716	44.5	277	12 US-09-881-873-98 Sequence 9, Appl
8	716	44.5	277	12 US-10-280-670-5 Sequence 5, Appl
9	716	44.5	277	12 US-10-368-338-30 Sequence 30, Appl
10	714.5	44.4	264	14 US-10-103-448-3 Sequence 3, Appl
11	714.5	44.4	264	14 US-10-103-929-3 Sequence 3, Appl
12	474	29.5	293	10 US-09-954-697-21 Sequence 21, Appl
13	466	29.0	293	12 US-09-881-873-99 Sequence 99, Appl
14	29.0	293	12 US-10-280-670-5 Sequence 6, Appl	
15	29.0	293	12 US-10-368-438-31 Sequence 31, Appl	

% ALIGNMENTS

SEQ ID NO	LENGTH:	Match	Score	Length	DB ID	Description
1	253	253	778.5	15	US-10-198-070-28	Sequence 28, Appl
2	9	9	719	15	US-09-895-263-4	Sequence 4, Appl
3	15	15	719	15	US-10-214-932-08	Sequence 108, App
4	15	15	719	15	US-10-214-932-08	Sequence 202, App
5	12	12	717	15	US-10-155-567-4	Sequence 4, Appl
6	10	10	716	12	US-09-954-697-12	Sequence 12, Appl
7	12	12	716	12	US-09-881-873-98	Sequence 9, Appl
8	12	12	716	12	US-10-280-670-5	Sequence 5, Appl
9	12	12	716	12	US-10-368-338-30	Sequence 30, Appl
10	14	14	714.5	14	US-10-103-448-3	Sequence 3, Appl
11	14	14	714.5	14	US-10-103-929-3	Sequence 3, Appl
12	10	10	474	10	US-09-954-697-21	Sequence 21, Appl
13	12	12	466	12	US-09-881-873-99	Sequence 99, Appl
14	12	12	29.0	12	US-10-280-670-5	Sequence 6, Appl
15	12	12	29.0	12	US-10-368-438-31	Sequence 31, Appl

RESULT 1
 US-10-198-070-28
 Sequence 28, Application US/10198070
 Publication No. US0030109437A1
 GENERAL INFORMATION:
 APPLICANT: AVERBACK, PAUL
 ATTORNEY: GEMMEL, JACK
 TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF CELLS
 FILE REFERENCE: 52003_00008
 CURRENT APPLICATION NUMBER: US/10/198, 070
 CURRENT FILING DATE: 2002-07-19
 PRIOR APPLICATION NUMBER: 60/306, 161
 PRIOR FILING DATE: 2001-07-19
 PRIOR APPLICATION NUMBER: 60/306, 150
 PRIOR FILING DATE: 2001-07-19
 PRIOR APPLICATION NUMBER: 60/331, 477
 PRIOR FILING DATE: 2001-11-16
 NUMBER OF SEQ ID NOS: 125
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 28
 LENGTH: 253
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-198-070-28
 Query Match Score 778.5; DB 15; Length 253;
 Best Local Similarity 63.1%; Pred. No. 1.7e-73;
 Matches 169; Conservative 7; Mismatches 39; Indels 53; Gaps 6;
 Sequence 1 AddQGCIEEQVEDSANEDSVDKPRASSFVPSLEFSKKKNTMSIKTRDRVPTQYN 60
 2 ADDQGCIEEQVEDSANEDSVDKPRASSFVPSLEFSKKKNTMSIKTRDRVPTQYN 61
 61 MNTEFLKGCIILNNKNKDVKTGVMGRNGIDKEALFKCERSSLGEDIVVNDCSAKMD 120
 62 MNTEFLKGCIILNNKNKDVKTGVMGRNGIDKEALFKCERSSLGEDIVVNDCSAKMD 121

RESULT 2
US-09-895-263-4
; Sequence 4, Application US/09895263
; Patent No. US20020076793A1
GENERAL INFORMATION:
APPLICANT: He, Wei-Wu et al.
TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Ave.
CITY: Rockville
STATE: MD
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/895, 263
FILING DATE: 02-JUL-2001
CLASSIFICATION: <Unknown>
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: <Unknown>
REFERENCE/DOCKET NUMBER: PFI40
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-251-6015
TELEFAX: 301-309-6439
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TIPS: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-895-263-4

RESULT 3
US-10-214-932-108
; Sequence 108, Application US/10214932
; Publication No. US20030100707A1
GENERAL INFORMATION:
APPLICANT: HWANG, Inhwan
APPLICANT: KIM, Daeho
APPLICANT: LEE, Yong Jik
TITLE OF INVENTION: SYSTEM FOR DETECTING PROTEASE
FILE REFERENCE: APP02/US
CURRENT APPLICATION NUMBER: US/10/214, 932
CURRENT FILING DATE: 2002-03-08
NUMBER OF SEQ ID NOS: 133
SOFTWARE: PatentIn version 3.1
SEQ ID NO 108
LENGTH: 277
TYPE: PRT
ORGANISM: Homo sapiens
US-10-214-932-108

Query Match 44.7%; Score 719; DB 15; Length 277;
Best Local Similarity 50.9%; Pred. No. 3; 6e-67;
Matches 49; Mismatches 78; Indels 12; Gaps 3;

Db 116 CIVLISHGEGIIFGTINGPVDLKKITNFRGDRCRSUTGKPKLIFIACRGTELDGIE TD 175
Qy 198 SGPIINDTDANPRKIPVDAEFLFAISVPGYWSRSPGRGSWVQLCSIEHGRDLEI 257
Db 175 SGVDDMAC--HKIPVDAEFLAYASTPGYWSRNSKGWSPIOSCAMLKQYADKEF 232
Qy 258 MQILTRVNDVRARHESSESDDPHFEHQKIQPCVWSMILKELYF 300
Db 233 MHILTRVNKRKATEFESFSFDATHAKQIPIVSMILKELYF 275

RESULT 4
US-10-207-655-202
; Sequence 202, Application US/10207655
; Publication No. US20030118592A1
GENERAL INFORMATION:
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Hayden-Ledbetter, Martha S.
TITLE OF INVENTION: BINDING DOMAIN-IMMUNOGLOBULIN FUSION PROTEINS
FILE REFERENCE: 390094-01C1
CURRENT APPLICATION NUMBER: US/10/207, 655
CURRENT FILING DATE: 2002-07-25
NUMBER OF SEQ ID NOS: 426
SOFTWARE: PatentIn version 3.0
SEQ ID NO 202
LENGTH: 277
TYPE: PRT
ORGANISM: Homo sapiens

Db 121 LKKCASEEDHTNACAPACILSHEENVYIGKGVTPIKDLTAHFRDRCKT----- 172
Qy 122 LKKCASEEDHTNACAPACILSHEENVYIGKGVTPIKDLTAHFRDRCKT----- 172
Db 173 -----LIEKPKLFFI-QACRGTELDAAQAD----- SGPIINDTDANPRYK 211
Qy 163 DUGRLQPPPRLRGGPSUMASRTRGSMTQMILDTRSQMLTSSSPRQATRGG 222
Qy 212 IPVDAEFLAYASTPGYWSRSGRGSW 239
Db 223 AQEEAPGL---CKPSAPSWRSTEK-TW 245

Db 116 CIVLISHGEGIIFGTINGPVDLKKITNFRGDRCRSUTGKPKLIFIACRGTELDGIE TD 175
Qy 198 SGPIINDTDANPRKIPVDAEFLFAISVPGYWSRSPGRGSWVQLCSIEHGRDLEI 257
Db 175 SGVDDMAC--HKIPVDAEFLAYASTPGYWSRNSKGWSPIOSCAMLKQYADKEF 232
Qy 258 MQILTRVNDVRARHESSESDDPHFEHQKIQPCVWSMILKELYF 300
Db 233 MHILTRVNKRKATEFESFSFDATHAKQIPIVSMILKELYF 275

US-10-207-655-202

Query Match

Best Local Similarity 44.7%; Score 719; DB 15; Length 277;

Matches 144; Conservative 50.9%; Pred. No. 3.6e-67; Mismatches 78; Indels 12; Gaps 3;

QY 18 EDSDVAKPDRSSFVPSLFSKKKNTMRSIKTRDRVPTYQYNNFEKLKGCTINNKF 77

Db 5 ENSVDSKSIC-NLEPKIHGSEMSMSGISLDNS-----YKMDYPGMGLCIIINNKPF 55

QY 78 DKVTGMGVNGTDKDAEALFKCERGKLSLKGCTIINNKF 137

Db 56 HKSTGWTTSRSGTDDVDAANLRETFRNLYKEVRKNNDLTREBIVLMDVSKEDHSKR 115

QY 138 CILLSIGEENVYIGDGVPIDTAHFFGRCKTLEKPLKFLIQACRGTEDDAID 197

Db 116 CVLSSHGEGGIFGTINGPVDLKTTNGPVDKLTGKPLKFLIQACRGTEDDC 175

QY 198 SGPPINDTDANPRYKIPVEADPLFASTPGYIYSRSPGRGSWVQALCSILEBHGKDEI 257

Db 176 SGVDDDMAC--HKIPVDAFLYAVSTAGPYYSWRNSKDGSWFIOSICAMLKQYADKLF 232

QY 258 MQIITRVNDRVARHESQSDDPHFRHEKKQIPCVVSMLKELYF 300

Db 233 MHILTRVNKRKATEESESFSFDATPHAKQOIPCVSMLKELYF 275

RESULT 5

US-10-155-567-4

Query Match

Best Local Similarity 44.5%; Score 716; DB 10; Length 277;

Matches 143; Conservative 50.5%; Pred. No. 7.4e-67; Mismatches 78; Indels 12; Gaps 3;

QY 18 EDSDVAKPDRSSFVPSLFSKKKNTMRSIKTRDRVPTYQYNNFEKLKGCTINNKF 77

Db 5 ENSVDSKSIC-NLEPKIHGSEMSMSGISLDNS-----YKMDYPGMGLCIIINNKPF 55

QY 78 DKVTGMGVNGTDKDAEALFKCERGKLSLKGCTIINNKF 137

Db 56 HKSTGWTTSRSGTDDVDAANLRETFRNLYKEVRKNNDLTREBIVLMDVSKEDHSKR 115

QY 138 CILLSIGEENVYIGDGVPIDTAHFFGRCKTLEKPLKFLIQACRGTEDDAID 197

Db 116 CVLSSHGEGGIFGTINGPVDLKTTNGPVDKLTGKPLKFLIQACRGTEDDC 175

QY 198 SGPPINDTDANPRYKIPVEADPLFASTPGYIYSRSPGRGSWVQALCSILEBHGKDEI 257

Db 176 SGVDDDMAC--HKIPVDAFLYAVSTAGPYYSWRNSKDGSWFIOSICAMLKQYADKLF 232

QY 258 MQIITRVNDRVARHESQSDDPHFRHEKKQIPCVVSMLKELYF 300

Db 233 MHILTRVNKRKATEESESFSFDATPHAKQOIPCVSMLKELYF 275

RESULT 7

US-10-155-567-4

Query Match

Best Local Similarity 44.6%; Score 717; DB 12; Length 277;

Matches 146; Conservative 50.9%; Pred. No. 5.8e-67; Mismatches 74; Indels 20; Gaps 4;

QY 18 EDSDVAKPDRSSFVPSLFSKKKNTMRSIKTRDRVPTYQ-YNNFEKLKGCTIN 73

Db 5 ENSVDSKSIC-NLEPKIHGSEMSMSGISLDNS-----YKMDYPGMGLCIIIN 51

QY 74 NKNFPKVTGMGVNGTDKDAEALFKCERGKLSLKGCTIINNKF 133

Db 52 NKNFPKVTGMGVNGTDKDAEALFKCERGKLSLKGCTIINNKF 111

QY 134 ACFACATLISIGEENVYIGDGVPIDTAHFFGRCKTLEKPLKFLIQACRGTEDDA 193

Db 112 SSFVWVLLSISGEEGIFGTINGPVDLKTTNGPVDKLTGKPLKFLIQACRGTEDDC 171

QY 194 IQADSGPINDTDANPRYKIPVEADPLFASTPGYIYSRSPGRGSWVQALCSILEBHGK 253

Db 172 IETDGGVDDDMAC--HKIPVDAFLYAVSTAGPYYSWRNSKDGSWFIOSICAMLKQYAD 228

QY 254 DLEMKILTRNDRVARHESQSDDPHFRHEKKQIPCVVSMLKELYF 300

Db 229 KLEEMKILTRNDRVARHESQSDDPHFRHEKKQIPCVVSMLKELYF 275

RESULT 6

US-09-954-697-12

; Sequence 12, Application US/09954697

Patent No. US20020105631A1

GENERAL INFORMATION:

APPLICANT: Almeni, Emad S.

TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USSES

FILE REFERENCE: 480140.431D2

CURRENT APPLICATION NUMBER: US/09/954,697

CURRENT FILING DATE: 2001-09-14

NUMBER OF SEQ ID NOS: 116

SOFTWARE: FastSEQ For Windows Version 3.0

SEQ ID NO: 12

LENGTH: 277

TYPE: PRT

ORGANISM: Homo sapien

US-09-954-697-12

Query Match

Best Local Similarity 44.5%; Score 716; DB 10; Length 277;

Matches 143; Conservative 50.5%; Pred. No. 7.4e-67; Mismatches 78; Indels 12; Gaps 3;

QY 18 EDSDVAKPDRSSFVPSLFSKKKNTMRSIKTRDRVPTYQYNNFEKLKGCTINNKF 77

Db 5 ENSVDSKSIC-NLEPKIHGSEMSMSGISLDNS-----YKMDYPGMGLCIIINNKPF 55

QY 78 DKVTGMGVNGTDKDAEALFKCERGKLSLKGCTIINNKF 137

Db 56 HKSTGWTTSRSGTDDVDAANLRETFRNLYKEVRKNNDLTREBIVLMDVSKEDHSKR 115

QY 18 EDSDVAKPDRSSFVPSLFSKKKNTMRSIKTRDRVPTYQYNNFEKLKGCTINNKF 77

Db 5 ENSVDSKSIC-NLEPKIHGSEMSMSGISLDNS-----YKMDYPGMGLCIIINNKPF 55

QY 78 DKVTGMGVNGTDKDAEALFKCERGKLSLKGCTIINNKF 137

Db 56 HKSTGWTTSRSGTDDVDAANLRETFRNLYKEVRKNNDLTREBIVLMDVSKEDHSKR 115

QY 18 EDSDVAKPDRSSFVPSLFSKKKNTMRSIKTRDRVPTYQYNNFEKLKGCTIINNKF 77

Db 5 ENSVDSKSIC-NLEPKIHGSEMSMSGISLDNS-----YKMDYPGMGLCIIINNKPF 55

QY 78 DKVTGMGVNGTDKDAEALFKCERGKLSLKGCTIINNKF 137

Db 56 HKSTGWTTSRSGTDDVDAANLRETFRNLYKEVRKNNDLTREBIVLMDVSKEDHSKR 115

QY 138 CILLSHGBENVITYKGKGVTPRKLDAHFRGDRCKTLEKPKLFFQACRGTEELDDAIQD 197
 Db 116 CVLILSHGEEGI-LIFTINGPVDKKTINFRGRCRSLTGKPKLFIQACRGTEELGIED 175
 QY 198 SGPIINTDANPRYKIPVEADLFAYSTVPGYSSWSPGRSFWVALCSLEERGKDEI 257
 Db 176 SGVDDDMAC--HKIPVDAFLYIAYSTAPGYSWRSNSKGDSWFLQSICAMLKQYADKLEF 232
 QY 258 MQITLTVNDRVARHESOSDSDPHFKRKKQPCVVMUTKELYF 300
 Db 233 MHILTRVNRKVATEFESFSFDATFHAKQKQPCIVSMUTKELYF 275

RESULT 8

US-10-280-670-5

; Sequence 5, Application US/10280670

; Publication No. US20030170812A1

; GENERAL INFORMATION:

; APPLICANT: JUAN, SHAO-CHIEH

; APPLICANT: FITCHER, FREDERICK A.

; APPLICANT: PATTERSON, SCOTT D.

; TITLE OF INVENTION: INTERLEUKIN 1-BETA CONVERTING ENZYME LIKE CYSTEINE

; FILE REFERENCE: 05843-0019-0100

; CURRENT APPLICATION NUMBER: US/10/280,670

; CURRENT FILING DATE: 2002-10-24

; PRIORITY APPLICATION NUMBER: 08/724,378

; PRIORITY FILING DATE: 1998-10-01

; NUMBER OF SEQ ID NOS: 17

; SOFTWARE: Patentin Ver. 2.1

; SEQ ID NO 5

; LENGTH: 277

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-10-280-670-5

Query Match 44.5%; Score 716; DB 12; Length 277;
 Best Local Similarity 50.5%; Pred. No. 7.4e-67; Indels 12; Gaps 3; Mismatches 143; Conservative 50; Mismatches 78; Indels 12; Gaps 3;

QY 18 EDSVDAKDRSSFPVPSLFSKKKKNMRSIKTRDRPYQYNNMFKEFKLGKCIINNKNF 77
 Db 5 ENSDSSKIK-NLEPKTHGSSMSDLSISLDNS-----YKMDPEMGCLINNKNF 55

QY 78 DKVTGMGVNGTDKDAEALFKFRSLGPDVYNDSCAKMQLIKKASEEDHTNAACFA 137
 Db 56 HKSTGMRSGTDVDAAMLRERFLNKYEVRIKNDLTREELVLMRDVSKEHDHSKRSSFV 115

QY 138 CILLSHGBENVITYKGKGVTPRKLDAHFRGDRCKTLEKPKLFFQACRGTEELDDAIQD 197
 Db 116 CVLILSHGEEGI-LIFTINGPVDKKTINFRGRCRSLTGKPKLFIQACRGTEELGIED 175
 QY 198 SGPIINTDANPRYKIPVEADLFAYSTVPGYSSWSPGRSFWVALCSLEERGKDEI 257
 Db 176 SGVDDDMAC--HKIPVDAFLYIAYSTAPGYSWRSNSKGDSWFLQSICAMLKQYADKLEF 232
 QY 258 MQITLTVNDRVARHESOSDSDPHFKRKKQPCVVMUTKELYF 300
 Db 233 MHILTRVNRKVATEFESFSFDATFHAKQKQPCIVSMUTKELYF 275

RESULT 9

US-10-368-438-30

; Sequence 30, Application US/10368438

; Publication No. US2003019411A1

; GENERAL INFORMATION:

; APPLICANT: David WALLACH

; APPLICANT: Mark P. BOLDIN

; APPLICANT: Tanya M. GONCHAROV

; APPLICANT: Yury V. GOLUSSEV

; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS

; NUMBER OF SEQUENCES: 34

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Browney and Neimark
 STREET: 419 New York Street, N.W., Ste. 300
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20004

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/368,438
 FILING DATE: 20-Feb-2003

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/983,502
 FILING DATE: 16-JAN-1998

APPLICATION NUMBER: PCT/US96/10521
 FILING DATE: 14-JUN-1996

APPLICATION NUMBER: IL 114,615
 FILING DATE: 16-JUL-1995

APPLICATION NUMBER: IL 114,986
 FILING DATE: 17-AUG-1995

APPLICATION NUMBER: IL 115,319
 FILING DATE: 14-SEP-1995

APPLICATION NUMBER: IL 116,588
 FILING DATE: 27-DEC-1995

APPLICATION NUMBER: IL 117,932
 FILING DATE: 16-APR-1996

ATTORNEY/AGENT INFORMATION:

NAME: Brown, Roger L.
 REGISTRATION NUMBER: 25,618
 TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 628-5197
 TELEFAX: (202) 737-5528

INFORMATION FOR SEQ ID NO: 30:

SEQUENCE CHARACTERISTICS:

LENGTH: 277 amino acids

TYPE: amino acid

STRANDEDNESS: single

MOLECULE TYPE: protein

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 30:
 US-10-368-438-30

Query Match 44.5%; Score 716; DB 12; length 277;
 Best Local Similarity 50.5%; Pred. No. 7.4e-67; Indels 12; Gaps 3; Mismatches 143; Conservative 50; Mismatches 78; Indels 12; Gaps 3;

QY 18 EDSVDAKDRSSFPVPSLFSKKKKNMRSIKTRDRPYQYNNMFKEFKLGKCIINNKNF 77
 Db 5 ENSDSSKIK-NLEPKTHGSSMSDLSISLDNS-----YKMDPEMGCLINNKNF 55

QY 78 DKVTGMGVNGTDKDAEALFKFRSLGPDVYNDSCAKMQLIKKASEEDHTNAACFA 137
 Db 56 HKSTGMRSGTDVDAAMLRERFLNKYEVRIKNDLTREELVLMRDVSKEHDHSKRSSFV 115

QY 138 CILLSHGBENVITYKGKGVTPRKLDAHFRGDRCKTLEKPKLFFQACRGTEELDDAIQD 197
 Db 116 CVLILSHGEEGI-LIFTINGPVDKKTINFRGRCRSLTGKPKLFIQACRGTEELGIED 175
 QY 198 SGPIINTDANPRYKIPVEADLFAYSTVPGYSSWSPGRSFWVALCSLEERGKDEI 257
 Db 176 SGVDDDMAC--HKIPVDAFLYIAYSTAPGYSWRSNSKGDSWFLQSICAMLKQYADKLEF 232
 QY 258 MQITLTVNDRVARHESOSDSDPHFKRKKQPCVVMUTKELYF 300
 Db 233 MHILTRVNRKVATEFESFSFDATFHAKQKQPCIVSMUTKELYF 275

RESULT 10

US-10-103-448-3
; Sequence 3, Application US/10103448
; Publication No. US20030155579A1
; GENERAL INFORMATION:
; APPLICANT: Krebs, Joseph F.
; APPLICANT: Srinivasan, Anu
; APPLICANT: Wu, Joseph C.
; TITLE OF INVENTION: MEMBRANE DERIVED CASPASE-3, COMPOSITIONS
; FILE REFERENCE: 480140.468D1
; CURRENT APPLICATION NUMBER: US/10/103, 448
; CURRENT FILING DATE: 2002-03-20
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 264
; TYPE: PRT
; ORGANISM: Homo sapien
; US-10-103-448-3

Query Match 44.4%; Score 714.5; DB 14; Length 264;

Best Local Similarity 56.2%; Pred. No. 9.9e-67; Mismatches 62; Indels 3; Gaps 1;

Matches 136; Conservative 41; Mismatches 62; Indels 3; Gaps 1;

Qy 5.9 YNNMFEKLGKCIINNKNDKVKGVRNGTDKDAEALFKCFPSLGFEDVIVNDCARM 118

Db 24 YKDMDPEMGCLIIINNNKFNSGNTSRSGTDDVPAANRETFRNLKYEVTRNKLQTLTREI 83

Qy 119 QDLIKKASEEDHTNAACFACTILSHEEGENVIYKGDGVTIKDTAHFRDRCKTLEKK 178

Db 84 VELMRDVSKEDHKSRSFVCVLISHGEEGIIFGNGPVDLKKTFGRDRCKSLTGPK 143

Qy 179 LFFIOACRGFLDDIAQSAGPINDTANPRYKIPVDEADFLFRASTVUGYSRSPGGS 238

Db 144 LFIIQCRGFLDDCIGETNSGVDDMAC--HKIPVDAFLYVASTAGYSSRNKSGS 200

Qy 239 WFVQALCSILEEHGKDEIMQLRVNDRVARHESQSDDPHHEKKCIPCVWSMLTEL 298

Db 201 WFIQSLCAMLKQYADKLFEPHLTRVNKRKATEPESESFDATFAKKOICPICTVSMITTEL 260

Qy 299 YF 300

Db 261 YF 262

RESULT 12

US-09-954-697-21
; Sequence 21, Application US/09954697
; Patent No. US20030106631A1

; GENERAL INFORMATION:

; APPLICANT: Almeiri, Emael S.

; TITLE OF INVENTION: RECOMBINANT ACTIVE CASPASES AND USSES

; FILE REFERENCE: 480140.431D2

; CURRENT APPLICATION NUMBER: US/09/ 954, 697

; CURRENT FILING DATE: 2001-09-14

; NUMBER OF SEQ ID NOS: 116

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 21

; LENGTH: 233

; TYPE: PRT

; ORGANISM: Homo sapien

; US-09-954-697-21

Query Match 29.5%; Score 474; DB 10; Length 293;

Best Local Similarity 38.3%; Pred. No. 2.5e-41; Mismatches 98; Indels 10; Gaps 1;

Matches 98; Conservative 42; Mismatches 108; Indels 10; Gaps 1;

Qy 5.5 PTYQNMNEKLGKCIINNKNDKVKGVRNGTDKDAEALFKCFPSLGFEDVIVNDCS 114

Db 33 PAEKYKMDHRRGTALIEMHERFWMLLPLPERGTCAADRNUTRRESDGLGEVKCENDL 92

Qy 115 CAMODLKKASEEDHTNAACFACTILSHEEGENVIYKGDGVTIKDTAHFRDRCKTLL 174

Db 93 AEULLKIHETSYVSHADACFCVFLSHGEHNHYIADKEIQTITGFLKGDKCHSLV 152

Qy 175 EKPKLUFTQACRPRE-----LDAAIQDSPINDTANPRYKIPVDEADFLAYST 224

Db 153 GKKFLFIQACRQNHDVPIEDWVHQTEKDINITEVDRASVITPAGDFLQISV 212

Qy 225 VPQVSYWSWSPGRSFWVQALCSILEEHGKDEIMQLRVNDRVARHESQSDDPHHEK 284

Db 213 AEGYKSHRETVQWYIOLCEWNLUGYGSSELETTLVNPKVSORVDFCKDPSAIGK 272

Qy 285 KQICVVSMLTKLYF 300

Db 273 KQVPCFASMLTKLHF 288

RESULT 13

US-09-851-873-99

; Sequence 99, Application US/09851873

; Publication No. US2003016548A1

; GENERAL INFORMATION:

; APPLICANT: Kitzen, Rolf F.

; APPLICANT: Reardon, Irene M.

; APPLICANT: Wetland, Katherine L.

; TITLE OF INVENTION: HUMAN CASPASE-12 MATERIALS AND METHODS

Query Match 44.4%; Score 714.5; DB 14; Length 264;

Best Local Similarity 56.2%; Pred. No. 9.9e-67; Mismatches 62; Indels 3; Gaps 1;

Matches 136; Conservative 41; Mismatches 62; Indels 3; Gaps 1;

Qy 5.9 YNNMFEKLGKCIINNKNDKVKGVRNGTDKDAEALFKCFPSLGFEDVIVNDCARM 118

Db 136 YNNMFEKLGKCIINNKNDKVKGVRNGTDKDAEALFKCFPSLGFEDVIVNDCARM 118

Qy 119 QDLIKKASEEDHTNAACFACTILSHEEGENVIYKGDGVTIKDTAHFRDRCKTLEKK 178

Db 137 QDLIKKASEEDHTNAACFACTILSHEEGENVIYKGDGVTIKDTAHFRDRCKTLEKK 178

Qy 179 LFFIOACRGFLDDIAQSAGPINDTANPRYKIPVDEADFLFRASTVUGYSRSPGGS 238

Db 144 LFIIQCRGFLDDCIGETNSGVDDMAC--HKIPVDAFLYVASTAGYSSRNKSGS 200

Qy 239 WFVQALCSILEEHGKDEIMQLRVNDRVARHESQSDDPHHEKKCIPCVWSMLTEL 298

Db 201 WFIQSLCAMLKQYADKLFEPHLTRVNKRKATEPESESFDATFAKKOICPICTVSMITTEL 260

Qy 299 YF 300

Db 261 YF 262

RESULT 14

US-10-108-929-3
; Sequence 3, Application US/10108929

; Publication No. US20020197702A1

; GENERAL INFORMATION:

; APPLICANT: Krebs, Joseph F.

; APPLICANT: Srinivasan, Anu

; APPLICANT: Wu, Joseph C.

; APPLICANT: Fritz, Lawrence C.

; APPLICANT: Wu, Joseph C.

; TITLE OF INVENTION: MEMBRANE DERIVED CASPASE-3, COMPOSITIONS

; FILE REFERENCE: 480140.468D2

; CURRENT APPLICATION NUMBER: US/10/108, 929

; CURRENT FILING DATE: 2002-03-26

; NUMBER OF SEQ ID NOS: 7

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 3

; LENGTH: 264

; TYPE: PRT

; ORGANISM: Homo sapien

; US-10-108-929-3

Query Match 44.4%; Score 714.5; DB 14; Length 264;

Best Local Similarity 56.2%; Pred. No. 9.9e-67; Mismatches 62; Indels 3; Gaps 1;

Matches 136; Conservative 41; Mismatches 62; Indels 3; Gaps 1;

Qy 5.9 YNNMFEKLGKCIINNKNDKVKGVRNGTDKDAEALFKCFPSLGFEDVIVNDCARM 118

Db 136 YNNMFEKLGKCIINNKNDKVKGVRNGTDKDAEALFKCFPSLGFEDVIVNDCARM 118

Qy 119 QDLIKKASEEDHTNAACFACTILSHEEGENVIYKGDGVTIKDTAHFRDRCKTLEKK 178

Db 137 QDLIKKASEEDHTNAACFACTILSHEEGENVIYKGDGVTIKDTAHFRDRCKTLEKK 178

Qy 179 LFFIOACRGFLDDIAQSAGPINDTANPRYKIPVDEADFLFRASTVUGYSRSPGGS 238

Db 144 LFIIQCRGFLDDCIGETNSGVDDMAC--HKIPVDAFLYVASTAGYSSRNKSGS 200

Qy 239 WFVQALCSILEEHGKDEIMQLRVNDRVARHESQSDDPHHEKKCIPCVWSMLTEL 298

Db 201 WFIQSLCAMLKQYADKLFEPHLTRVNKRKATEPESESFDATFAKKOICPICTVSMITTEL 260

Qy 299 YF 300

Db 261 YF 262

RESULT 15

US-09-851-873-99

; Sequence 99, Application US/09851873

; Publication No. US2003016548A1

; GENERAL INFORMATION:

; APPLICANT: Kitzen, Rolf F.

; APPLICANT: Reardon, Irene M.

; APPLICANT: Wetland, Katherine L.

; TITLE OF INVENTION: HUMAN CASPASE-12 MATERIALS AND METHODS

FILE REFERENCE: 28341/00233
; CURRENT APPLICATION NUMBER: US/09/851,873
; CURRENT FILING DATE: 2001-05-08
; NUMBER OF SEQ ID NOS: 105
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 99
; LENGTH: 293
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-851-873-99

Query Match 29.0%; Score 466; DB 12; Length 293;
Best Local Similarity 37.9%; Pred. No. 1.8e-40;
Matches 97; Conservative 42; Mismatches 107; Indels 10; Gaps 1;

Qy 55 PTYQYNNNFEKKGCTTINNNKFDRKVGMGRNGTDDKAELPKCFSRSLGFDVYNDCS 114
Db 33 PAEKVKMDHRRGALIIFERFWRHLLTIPERRTCAPRDNLTRRFSDLGFERKCFDPDLK 92

Qy 115 CARQDQLKKASEEDHNAAFACILSHGENVYGGDVTPIKDIAFRGRCKTIL 174
Db 153 GKPFLFFIQACRGTE-----LDIAQASGPINDTANPRIKIPVREADFLFVYST 224
Qy 93 AEEELLIKHEVTVSHADACFCVCFVLISHGEHHYIAYDAKIBIOTLTLGLFKDKCHSLV 152

Qy 225 VPGYIVSWSPPGRGSWFWALCSTLEEHKDELMQITVNDRVARHESQSDDPHEEK 284
Db 213 AEGYVSHRTVNGSWYIQDLCMIGKYSSELETLLIVNWKVSQRVDCKDPSLIGK 272

Qy 285 KQJPCVVNLTKELYF 300
Db 273 KQVPCFASMLTKLHF 288

RESULT 14
US-10-280-670-6
; Sequence 6, Application US/10280670
; Publication No. US20030170812A1
; GENERAL INFORMATION:
; APPLICANT: JUAN, SHAO-CHEH
; APPLICANT: FLETCHER, FREDERICK A.
; APPLICANT: PATTERSON, SCOTT D.
; TITLE OF INVENTION: INTERLEUKIN 1-BETA CONVERTING ENZYME LIKE CYSTEINE
; FILE REFERENCE: 08843-0019-1000
; CURRENT APPLICATION NUMBER: US/10/280-670
; CURRENT FILING DATE: 2002-10-24
; PRIORITY NUMBER: 03/724,378
; PRIOR FILING DATE: 1996-10-01
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 6
; LENGTH: 293
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-280-670-6

Query Match 29.0%; Score 466; DB 12; Length 293;
Best Local Similarity 37.9%; Pred. No. 1.8e-40;
Matches 97; Conservative 42; Mismatches 107; Indels 10; Gaps 1;

Qy 55 PTYQYNNNFEKKGCTTINNNKFDRKVGMGRNGTDDKAELPKCFSRSLGFDVYNDCS 114
Db 33 PAEKVKMDHRRGALIIFERFWRHLLTIPERRTCAPRDNLTRRFSDLGFERKCFDPDLK 92

Qy 115 CARQDQLKKASEEDHNAAFACILSHGENVYGGDVTPIKDIAFRGRCKTIL 174
Db 93 ABELLIKHEVTVSHADACFCVCFVLISHGEHHYIAYDAKIBIOTLTLGLFKDKCHSLV 152

Qy 175 EKPKLFFIQARGTE-----LDIAQASGPINDTANPRIKIPVREADFLFVYST 224

RESULT 15
US-10-368-438-31
; Sequence 31, Application US/10368438
; Publication No. US20030219411A1
; GENERAL INFORMATION:
; APPLICANT: David WALLACH
; APPLICANT: Mark P. BOLDIN
; Tanya M. GONCHAROV
; Yury V. GOLTSIEV
; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brody and Namark
; STREET: 419 Seventh Street N.W., Ste. 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US10/368,438
; FILING DATE: 20-FEB-2003
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/983,502
; FILING DATE: 16-JAN-1998
; APPLICATION NUMBER: PCT/US96/10521
; FILING DATE: 14-JUN-1996
; APPLICATION NUMBER: IL 114,615
; FILING DATE: 16-JUL-1995
; APPLICATION NUMBER: IL 114,986
; FILING DATE: 17-AUG-1995
; APPLICATION NUMBER: IL 115,319
; FILING DATE: 14-SEP-1995
; APPLICATION NUMBER: IL 116,588
; FILING DATE: 27-DEC-1995
; APPLICATION NUMBER: IL 117,932
; FILING DATE: 16-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Brody, Roger L.
; REGISTRATION NUMBER: 25,618
; REFERENCE DOCKET NUMBER: WALLACH-19
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-5197
; FAX: (202) 777-3528
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 293 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 31:
; US-10-368-438-31

Query Match 29.0%; Score 466; DB 12; Length 293;
Best Local Similarity 37.9%; Pred. No. 1.8e-40;
Matches 97; Conservative 42; Mismatches 107; Indels 10; Gaps 1;

QY	PTWQIMNPFERKUGKCIITNNKNFPRVTGMGVRNGTDKAELFKCPRSGLFDVITYNDCS	114
Db	: :	
Db	33 PAEKYKOMHRRGALIFNHERFWHLTPERRTCIACDRDNLTFRFSLDGFPEVKCFNDLK	92
QY	CARNODLIRKKASEBDHTNACFACITLSIGEENVYIGKGQVTPKDLTAHFRGRCKTIL	174
Db	: :	
QY	93 AEBLLKHEVSVSHADCFVVFVLHGEGNNIYAYPAKIEOTLTLFPGKGRKHSV	152
Db	175 EKPKLFFIQACRGTED-----LDAIQADSGGPINDTANPRKYKIPVEADPLFAYST	224
Db	: :	
Db	153 GPKFKIFIQACRGNQHDVPILDWVDNOTEKDNTINITEVDAASVYTLFAGDPMCYSV	212
QY	225 VGYYSWMSPGRGSWFWQALCSLLEBHGKDELMQILTRVNDRVARHESQSDDPFHEK	284
Db	: :	
Db	213 AEGYYSHRETVMGWSYIQLCEMMLGKGYSSLEFTELITLVRKVSRQRVDPCKDPSAIGK	284
QY	285 KQIPCVVSMLTELYF 300	
Db	: :	
273 KQVPCFASMLIKLHF 288		

Search completed: December 30, 2003, 06:45:02
Job time : 33 secs

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Sequence 28, APPL
Sequence 23, APPL
Sequence 8, APPL
Sequence 40, APPL
Sequence 35, APPL
Sequence 21, APPL
Sequence 41, APPL
Sequence 36, APPL
Sequence 29, APPL
Sequence 24, APPL
Sequence 33, APPL
Sequence 25, APPL
Sequence 40, APPL
Sequence 11, APPL
Sequence 11, APPL
Sequence 11, APPL

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Db 2 SGISLDNSYKMDPEMGLCILINNKNFKSTGTSRGTDVDAANLBETFRNLKVYERNK 61
 Qy 88 NDLTREBIVELMRDVSKEDHDKRSRSSVCVLISHGEGIIFTNGPVDLKKITNFRGRC 147
 Db 62 NDLTREBIVELMRDVSKEDHDKRSRSSVCVLISHGEGIIFTNGPVDLKKITNFRGRC 121
 Qy 148 RSLTGPKFLFIIQACRTGTELDGIED 174
 Db 122 RSLTGPKFLFIIQASRGTELDGIED 148

RESULT 2
 US-08-964-313-11
 Sequence 11, Application US/08964313
 Patent No. 614112
 GENERAL INFORMATION:
 APPLICANT: DESMARais, SYLVIE
 APPLICANT: FLESEN, RICHARD
 APPLICANT: GRASSER, MICHAEL
 APPLICANT: KENNEDY, BRIAN
 APPLICANT: NICHOLSON, DONALD
 APPLICANT: RAMACHANDRAN, CHIDAMBARAM
 APPLICANT: SKOREY, KATHRYN
 APPLICANT: FORD-HITCHINSON, ANTHONY
 TITLE OF INVENTION: PHOSPHATASE BINDING ASSAY
 NUMBER OF SEQUENCES: 15
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
 STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
 CITY: RAHWAY
 STATE: NJ
 COUNTRY: USA
 ZIP: 07065
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/964,313
 FILING DATE: 03-NOV-1996
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/030,408
 FILING DATE: 04-NOV-1995
 APPLICATION NUMBER: PCT/CN97/00825
 FILING DATE: 03-NOV-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: DURETTE, PHILIPPE L.
 REGISTRATION NUMBER: 35,125
 REFERENCE DOCKET NUMBER: 19824Y
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 732-594-4568
 TELEFAX: 732-594-4720
 TELEX:
 INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 148 amino acids
 TYPE: amino acid
 STRANDEDNESS: Single
 TOPOLOGY: Linear
 MOLECULE TYPE: peptide
 US-08-964-313-11

Query Match 52.2% Score 761; DB 3; Length 148;
 Best Local Similarity 99.3%; Pred. No. 2.7e-80; Matches 146; Conservatve 0; Mismatches 1; Indels 0; Gaps 0;

Db 28 SGISLDNSYKMDPEMGLCILINNKNFKSTGTSRGTDVDAANLBETFRNLKVYERNK 87
 Qy 2 SGISLDNSYKMDPEMGLCILINNKNFKSTGTSRGTDVDAANLBETFRNLKVYERNK 61
 Db 88 NDLTREBIVELMRDVSKEDHDKRSRSSVCVLISHGEGIIFTNGPVDLKKITNFRGRC 147
 Qy 62 NDLTREBIVELMRDVSKEDHDKRSRSSVCVLISHGEGIIFTNGPVDLKKITNFRGRC 121
 Db 148 RSLTGPKFLFIIQACRTGTELDGIED 174
 Db 122 RSLTGPKFLFIIQASRGTELDGIED 148

RESULT 3
 US-09-069-138-11
 Sequence 11, Application US/09069138
 Patent No. 6348572
 GENERAL INFORMATION:
 APPLICANT: DESMARais, SYLVIE
 APPLICANT: DURESNE, CLAUDE
 APPLICANT: FLESEN, RICHARD
 APPLICANT: LEBLANC, YVES
 APPLICANT: ROY, PATRICK
 APPLICANT: YOUNG, ROBERT N.
 APPLICANT: ZAMBONI, ROBERT
 TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
 TITLE OF INVENTION: BINDING ASSAY
 NUMBER OF SEQUENCES: 15
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
 STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
 CITY: RAHWAY
 STATE: NJ
 COUNTRY: USA
 ZIP: 07065
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY Diskette
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: FastSQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/069,138
 FILING DATE: 29-APR-1998
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: DURETTE, PHILIPPE L.
 REGISTRATION NUMBER: 35,125
 REFERENCE/DOCKET NUMBER: 19840YIA
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 732-594-4568
 TELEFAX: 732-594-4720
 TELEX:
 INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 148 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: Linear
 MOLECULE TYPE: peptide
 US-09-069-138-11

Query Match 52.2% Score 761; DB 4; Length 148;
 Best Local Similarity 99.3%; Pred. No. 2.7e-80; Matches 146; Conservatve 0; Mismatches 1; Indels 0; Gaps 0;

Db 28 SGISLDNSYKMDPEMGLCILINNKNFKSTGTSRGTDVDAANLBETFRNLKVYERNK 87
 Qy 2 SGISLDNSYKMDPEMGLCILINNKNFKSTGTSRGTDVDAANLBETFRNLKVYERNK 61
 Db 88 NDLTREBIVELMRDVSKEDHDKRSRSSVCVLISHGEGIIFTNGPVDLKKITNFRGRC 147
 Qy 62 NDLTREBIVELMRDVSKEDHDKRSRSSVCVLISHGEGIIFTNGPVDLKKITNFRGRC 121
 Db 148 RSLTGPKFLFIIQACRTGTELDGIED 174
 Db 122 RSLTGPKFLFIIQASRGTELDGIED 148

RESULT 4
US-08-446-925-7

; Sequence 7, Application US/08446925

; Patent No. 567200

; GENERAL INFORMATION:

; APPLICANT: Litwack, Gerald

; ALNEMRI, Emad S.

; APPLICANT: Fernandez-Alnemri, Teresa

; TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE

; TITLE OF INVENTION: PROTEASE AND COMPOSITIONS FOR MAKING AND

; TITLE OF INVENTION: METHODS OF USING THE SAME

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz &

; STREET: One Liberty Place, 46th floor

; CITY: Philadelphia

; STATE: PA

; COUNTRY: USA

; ZIP: 19103

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: WordPerfect 5.1

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/446,925

; FILING DATE:

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: DeLuca, Mark

; REGISTRATION NUMBER: 33-229

; REFERENCE DOCKET NUMBER: TJJU-1508

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (215) 568-3100

; TELEFAX: (215) 568-3439

; INFORMATION FOR SEQ ID NO: 7:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 204 amino acids

; TOPOLogy: amino acid

; MOLECULE TYPE: protein

; US-08-446-925-7

; Query Match

; Best Local Similarity 28.7%; Score 418.5; DB 1; Length 204;

; Matches 82; Conservative 43.9%; Pred. No. 2.6e-40; Gaps 1;

; Mismatches 63; Indels 13; Gaps 1;

; QY

; VSKEDHKRKSVCVILSHGEGGIGIITGNGPVDLKIKITNFRRGDRRSLGKPKLFIQIA 161

; Db

; 14 VSTVSHADADCVCFVLISHGEONHIVAYDAKIEIQITLGFKGDKHSVLGVKPIFIQA 73

; QY

; 162 CRGTEEDCGI-----ETSGVDDMACKIKPVEADFLVAYSTAPGYSWRNS 208

; Db

; 74 CRGNQHDVPVIFLDLVWQNQTEKLDTINITEVDAASVTLPGADFLMCYSAEGYSHRET 133

; QY

; 209 KQGSWFOISLCWMLKQYADKLFMHILTRVORKVATEEFESFSDFATPHAKQICIVSML 268

; Db

; 134 VNGSWYIQLDCLEMKGYGSLEFTELTLVNRKVVSQRRVDFCKDPSAIGKQVPCFASML 193

; QY

; 269 TKELYFY 275

; Db

; 194 TRKLHFF 200

; RESULT 5

; US-09-146-331-7

; Sequence 7, Application US/09146331

; Patent No. 558720

; GENERAL INFORMATION:

; APPLICANT: Litwack, Gerald

; ALNEMRI, Emad S.

; APPLICANT: Fernandez-Alnemri, Teresa

; TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE

; TITLE OF INVENTION: PROTEASE AND COMPOSITIONS FOR MAKING AND

; TITLE OF INVENTION: METHODS OF USING THE SAME

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz &

; STREET: One Liberty Place, 46th floor

; CITY: Philadelphia

; STATE: PA

; COUNTRY: USA

; ZIP: 19103

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: WordPerfect 5.1

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/146,331

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/896,885

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: DeLuca, Mark

; REGISTRATION NUMBER: 33-229

; REFERENCE DOCKET NUMBER: TJJU-1508

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (215) 568-3100

; TELEFAX: (215) 568-3439

; INFORMATION FOR SEQ ID NO: 7:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 204 amino acids

; TOPOLogy: amino acid

; MOLECULE TYPE: protein

; US-09-146-331-7

; Query Match

; Best Local Similarity 28.7%; Score 418.5; DB 2; Length 204;

; Matches 82; Conservative 43.9%; Pred. No. 2.6e-40; Gaps 1;

; Mismatches 63; Indels 13; Gaps 1;

; QY

; VSKEDHKRKSVCVILSHGEGGIGIITGNGPVDLKIKITNFRRGDRRSLGKPKLFIQIA 161

; Db

; 14 VSTVSHADADCVCFVLISHGEONHIVAYDAKIEIQITLGFKGDKHSVLGVKPIFIQA 73

; QY

; 162 CRGTEEDCGI-----ETSGVDDMACKIKPVEADFLVAYSTAPGYSWRNS 208

; Db

; 74 CRGNQHDVPVIFLDLVWQNQTEKLDTINITEVDAASVTLPGADFLMCYSAEGYSHRET 133

; QY

; 209 KQGSWFOISLCWMLKQYADKLFMHILTRVORKVATEEFESFSDFATPHAKQICIVSML 268

; Db

; 134 VNGSWYIQLDCLEMKGYGSLEFTELTLVNRKVVSQRRVDFCKDPSAIGKQVPCFASML 193

; QY

; 269 TKELYFY 275

; Db

; 194 TRKLHFF 200

; RESULT 6

; US-08-996-885-7

; Sequence 7, Application US/08896885

; Patent No. 5955640

; GENERAL INFORMATION:

; APPLICANT: Litwack, Gerald

; ALNEMRI, Emad S.

; APPLICANT: Fernandez-Alnemri, Teresa

; TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE

; TITLE OF INVENTION: PROTEASE AND COMPOSITIONS FOR MAKING AND

; TITLE OF INVENTION: METHODS OF USING THE SAME

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz &

; STREET: One Liberty Place, 46th floor

; CITY: Philadelphia

; STATE: PA

; COUNTRY: USA

; ZIP: 19103

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: WordPerfect 5.1

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/996,885

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/896,885

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: DeLuca, Mark

; REGISTRATION NUMBER: 33-229

; REFERENCE DOCKET NUMBER: TJJU-1508

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (215) 568-3100

; TELEFAX: (215) 568-3439

; INFORMATION FOR SEQ ID NO: 7:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 204 amino acids

; TOPOLogy: amino acid

; MOLECULE TYPE: protein

; US-08-996-885-7

; Query Match

; Best Local Similarity 28.7%; Score 418.5; DB 2; Length 204;

; Matches 82; Conservative 43.9%; Pred. No. 2.6e-40; Gaps 1;

; Mismatches 63; Indels 13; Gaps 1;

; QY

; VSKEDHKRKSVCVILSHGEGGIGIITGNGPVDLKIKITNFRRGDRRSLGKPKLFIQIA 161

; Db

; 14 VSTVSHADADCVCFVLISHGEONHIVAYDAKIEIQITLGFKGDKHSVLGVKPIFIQA 73

; QY

; 162 CRGTEEDCGI-----ETSGVDDMACKIKPVEADFLVAYSTAPGYSWRNS 208

; Db

; 74 CRGNQHDVPVIFLDLVWQNQTEKLDTINITEVDAASVTLPGADFLMCYSAEGYSHRET 133

; QY

; 209 KQGSWFOISLCWMLKQYADKLFMHILTRVORKVATEEFESFSDFATPHAKQICIVSML 268

; Db

; 134 VNGSWYIQLDCLEMKGYGSLEFTELTLVNRKVVSQRRVDFCKDPSAIGKQVPCFASML 193

; QY

; 269 TKELYFY 275

; Db

; 194 TRKLHFF 200

; RESULT 5

; US-09-146-331-7

; Sequence 7, Application US/09146331

; Patent No. 558720

; GENERAL INFORMATION:

; APPLICANT: Litwack, Gerald

; ALNEMRI, Emad S.

; APPLICANT: Fernandez-Alnemri, Teresa

; TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE

; TITLE OF INVENTION: PROTEASE AND COMPOSITIONS FOR MAKING AND

; TITLE OF INVENTION: METHODS OF USING THE SAME

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz &

; STREET: One Liberty Place, 46th floor

; CITY: Philadelphia

; STATE: PA

; COUNTRY: USA

; ZIP: 19103

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: WordPerfect 5.1

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/146,331

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 09/146,331

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: DeLuca, Mark

; REGISTRATION NUMBER: 33-229

; REFERENCE DOCKET NUMBER: TJJU-1508

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (215) 568-3100

; TELEFAX: (215) 568-3439

; INFORMATION FOR SEQ ID NO: 7:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 204 amino acids

; TOPOLogy: amino acid

; MOLECULE TYPE: protein

; US-09-146-331-7

; Query Match

; Best Local Similarity 28.7%; Score 418.5; DB 1; Length 204;

; Matches 82; Conservative 43.9%; Pred. No. 2.6e-40; Gaps 1;

; Mismatches 63; Indels 13; Gaps 1;

; QY

; VSKEDHKRKSVCVILSHGEGGIGIITGNGPVDLKIKITNFRRGDRRSLGKPKLFIQIA 161

; Db

; 14 VSTVSHADADCVCFVLISHGEONHIVAYDAKIEIQITLGFKGDKHSVLGVKPIFIQA 73

; QY

; 162 CRGTEEDCGI-----ETSGVDDMACKIKPVEADFLVAYSTAPGYSWRNS 208

; Db

; 74 CRGNQHDVPVIFLDLVWQNQTEKLDTINITEVDAASVTLPGADFLMCYSAEGYSHRET 133

; QY

; 209 KQGSWFOISLCWMLKQYADKLFMHILTRVORKVATEEFESFSDFATPHAKQICIVSML 268

; Db

; 134 VNGSWYIQLDCLEMKGYGSLEFTELTLVNRKVVSQRRVDFCKDPSAIGKQVPCFASML 193

; QY

; 269 TKELYFY 275

; Db

; 194 TRKLHFF 200

NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz &
 ADDRESSEE: No. 598560ris
 STREET: One Liberty Place, 46th floor
 CITY: Philadelphia
 STATE: PA
 COUNTRY: USA
 ZIP: 19103

COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Wordperfect 5.1

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/896,885
 FILING DATE: 18-JUL-1997
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/446,925
 FILING DATE: 18-MAY-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: DeLuca, Mark
 REGISTRATION NUMBER: 33,229
 REFERENCE/DOCKET NUMBER: TUU-1508
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (215) 568-3100
 TELEFAX: (215) 568-3439

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:
 LENGTH: 204 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 7:
 US-08-896-885-7

Query Match 28.7%; Score 418.5; DB 2; Length 204;
 Best Local Similarity 43.9%; Pred. No. 2.6e-40;
 Matches 82; Conservative 29; Mismatches 63; Indels 13; Gaps 1;

Qy 102 VSKEDHSSRSFFCVVLLSHGEGLIGIIFTNGPVDLKKITNFRRGDRRSRTRGKPKLIIQA 161
 Db 14 VSTVSHADACDFCVVFLSHGEGLIGIIFTNGPVDLKKITNFRRGDRRSRTRGKPKLIIQA 73
 Qy 14 VSTVSHADACDFCVVFLSHGEGLIGIIFTNGPVDLKKITNFRRGDRRSRTRGKPKLIIQA 73
 Db 162 CRGTFELDGGI-----ETDSGVDDMACHKLPVADFIAYSTARGYSSWRNS 208
 Qy 74 CRGNQHDYPVPIPDVWDNOTEKLDNTTEVDAASVYTUPAGADFLMCYSVAEGYSSHRET 133
 Db 209 KGSWFIOSLCAMLKQADKLEPHMLTRVNRKVAAPEPESFSFADTPHAKQIPCVSML 268
 Qy 134 VNGSWIQLCENMGKVSSELTIELTIVNRKVSSRRVUDCKDPASIGKQVPCASML 193
 Db 269 TKLYFY 275
 Qy 269 TKLYFY 275
 Db 194 TKKLHFF 200

RESULT 8
 US-09-376-156-7
 ; Sequence 7, Application US/09376156
 ; Patent No. 6407215
 ; GENERAL INFORMATION:
 ; APPLICANT: Litwack, Gerald
 ; APPLICANT: Alnemri, Emad S.
 ; APPLICANT: Fernandez-Alnemri, Teresa
 ; TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE
 ; TITLE OF INVENTION: PROTEASE,
 ; TITLE OF INVENTION: AND COMPOSITIONS FOR MAKING AND
 ; TITLE OF INVENTION: METHODS
 ; TITLE OF INVENTION: OP USING THE SAME
 ; NUMBER OF SEQUENCES: 10
 ; CORRESPONDENCE ADDRESS:
 ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz &
 ADDRESSEE: No. 6359127ris
 STREET: One Liberty Place, 46th floor
 CITY: Philadelphia

STREET: One Liberty Place, 46th floor
 CITY: Philadelphia
 STATE: PA
 COUNTRY: USA
 ZIP: 19103

COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Wordperfect 5.1

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/375,256
 FILING DATE: 16-Aug-1999
 CLASSIFICATION: <Unknown>
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/446,925
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: DeLuca, Mark
 REGISTRATION NUMBER: 33,229
 REFERENCE/DOCKET NUMBER: TUU-1508
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (215) 568-3100
 TELEFAX: (215) 568-3439

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:
 LENGTH: 204 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 7:
 US-09-375-256-7

Query Match 28.7%; Score 418.5; DB 4; Length 204;
 Best Local Similarity 43.9%; Pred. No. 2.6e-40;
 Matches 82; Conservative 29; Mismatches 63; Indels 13; Gaps 1;

Qy 102 VSKEDHSSRSFFCVVLLSHGEGLIGIIFTNGPVDLKKITNFRRGDRRSRTRGKPKLIIQA 161
 Db 14 VSTVSHADACDFCVVFLSHGEGLIGIIFTNGPVDLKKITNFRRGDRRSRTRGKPKLIIQA 73
 Qy 162 CRGTFELDGGI-----ETDSGVDDMACHKLPVADFIAYSTARGYSSWRNS 208
 Db 74 CRGNQHDYPVPIPDVWDNOTEKLDNTTEVDAASVYTUPAGADFLMCYSVAEGYSSHRET 133
 Qy 209 KGSWFIOSLCAMLKQADKLEPHMLTRVNRKVAAPEPESFSFADTPHAKQIPCVSML 268
 Db 134 VNGSWIQLCENMGKVSSELTIELTIVNRKVSSRRVUDCKDPASIGKQVPCASML 193
 Qy 269 TKLYFY 275
 Db 194 TKKLHFF 200

RESULT 9
 US-09-376-156-7
 ; Sequence 7, Application US/09376156
 ; Patent No. 6407215
 ; GENERAL INFORMATION:
 ; APPLICANT: Litwack, Gerald
 ; APPLICANT: Alnemri, Emad S.
 ; APPLICANT: Fernandez-Alnemri, Teresa
 ; TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE
 ; TITLE OF INVENTION: PROTEASE,
 ; TITLE OF INVENTION: AND COMPOSITIONS FOR MAKING AND
 ; TITLE OF INVENTION: METHODS
 ; TITLE OF INVENTION: OP USING THE SAME
 ; NUMBER OF SEQUENCES: 10
 ; CORRESPONDENCE ADDRESS:
 ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz &
 ADDRESSEE: No. 6359127ris
 STREET: One Liberty Place, 46th floor
 CITY: Philadelphia

STATE: PA
 COUNTRY: USA
 ZIP: 19103
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WordPerfect 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/376,156
 FILING DATE:
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/446,925
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Deluga, Mark
 REGISTRATION NUMBER: 33,229
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (215) 568-4100
 TELEX/FAX: (215) 568-3439
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 204 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-376-156-7

Query Match 28.7%; Score 418.5; DB 4; Length 204;
 Best Local Similarity 43.9%; Pred. No. 2.6e-40;
 Matches 82; Mismatches 63; Indels 13; Gaps 1;

Qy 102 VSKEDISKSSFVCVILSHGREGITFGTNGPVDLKRITNFRGORCRSLGKPKLFIQA 161
 Db 14 VSTVSHADACFVCVLISHGREGITFGTNGPVDLKRITNFRGORCRSLGKPKLFIQA 73
 Qy 162 CRGTELDCGI-----EDDSGDDMACKKIPADEFLYAVSTAGYWSWNS 208
 Db 74 CRGNRHDVPIPLDVVDNQTEBKLDNTITEVDAASVYTLPGADFLMCYVAEGYSHREB 133

Qy 209 KDGSWTIOSICAMLKQYADKLEPMHILTRNRYKATEFSFSPATFHAKKQPCIVSML 269
 Db 134 VNGSWYIQDLCMGLGKGSSLEFTLTVNRKVSSQRRVDFCKDPSAIGKKQVPCASM 193

Qy 269 TKELYV 275

Db 194 TRKLHF 200

RESULT 9
 US-08-983-502-20
 ; Sequence 20, Application US/08993502
 ; GENERAL INFORMATION:
 ; Patient No. 639337,
 ; APPLICANT: David WALLACH
 ; APPLICANT: Mark P. BOLDIN
 ; APPLICANT: Tanya M. GONCHAROV
 ; APPLICANT: Yury V. GOLTSBEV
 ; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
 ; TITLE OF INVENTION: AND OTHER PROTEINS
 ; NUMBER OF SEQUENCES: 34
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Brody and Neimark
 ; STREET: 419 Seventh Street N.W., Ste. 300
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: USA
 ; ZIP: 20004
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/983,502
 FILING DATE: 16-JAN-1998
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: PCT/US96/10521
 FILING DATE: 14-JUN-1996
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: IL 114,615
 FILING DATE: 16-JUN-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: IL 114,986
 FILING DATE: 17-AUG-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: IL 115,319
 FILING DATE: 14-SEP-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: IL 116,588
 FILING DATE: 27-DEC-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: IL 117,932
 FILING DATE: 16-APR-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Bowdy, Roger L.
 REGISTRATION NUMBER: 25,618
 REFERENCE DOCKET NUMBER: WALLACH=19
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 628-5197
 TELEX/FAX: (202) 737-3528
 INFORMATION FOR SEQ ID NO: 20:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 266 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-983-502-20

Query Match 23.5%; Score 342.5; DB 4; Length 266;
 Best Local Similarity 38.0%; Pred. No. 2.7e-31;
 Matches 81; Conservatory 38.0%; Mismatches 73; Indels 17; Gaps 6;

Qy 73 LRTETRANKYVVRKNUDLTREBIVLMRDVSKEHHSKRSFVCVILSHGREGITFGTNG 131
 Db 57 LTTTFSEBLHEIPIKPHDDCTEQYIPIKLYQLMHHSNMDCFCICILISHGDKGILYGTQ 116

Qy 132 PVDLKKITNFRGDCRSLGKPKLFIQLRGELDCGI--EDDSG---VDDMACK 195
 Db 117 EAPIYELTSQFTGKCPSPLAGKPKVFFIAOGOONYQKIGPVETDSEQPYLEMIDSSQ 176

Qy 186 ---IPEADEFLYAVSTAGYWSWNSKDSWFIOSLCAMLKQYAD-LAFMHILLRVNR 241
 Db 177 TRYIPEADEFLYAVSTAGYWSWNSKDSWFIOSLCAMLKQYAD-LAFMHILLRVNR 236

RESULT 10
 US-09-516-747-20
 ; Sequence 20, Application US/09516747
 ; General Information:
 ; Patient No. 6586571
 ; APPLICANT: David WALLACH
 ; APPLICANT: Mark P. BOLDIN
 ; APPLICANT: Tanya M. GONCHAROV
 ; APPLICANT: Yury V. GOLTSBEV
 ; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
 ; TITLE OF INVENTION: AND OTHER PROTEINS
 ; NUMBER OF SEQUENCES: 34
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Brody and Neimark
 ; STREET: 419 Seventh Street N.W., Ste. 300
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: USA
 ; ZIP: 20004
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSEQ FOR Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/852,936C
 FILING DATE: 08-MAY-1997
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/018,961
 FILING DATE: 05-JUN-1996
 APPLICATION NUMBER: 60/020,344
 FILING DATE: 23-MAY-1996
 APPLICATION NUMBER: 60/017,949
 FILING DATE: 20-MAY-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Prestia, Paul F
 REGISTRATION NUMBER: 23,031
 REFERENCE/DOCKET NUMBER: P50483-2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 610-407-0700
 TELEFAX: 610-407-0700
 TELEX: 846169
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 203 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 ; US-08-852-936C-4

Query Match
 Best Local Similarity 32.4%; Score 298; DB 3; Length 203;
 Matches 68; Conservative 36; Mismatches 66; Indels 42; Gaps 4;
 Qy 95 IVELMRVSKRSKSSFVCVLISGEE-----GLIFGTNG-PVDLKKITNFRGDR 146
 Db 1 MVALLELARQPHGALDCVVVLISHGQASHLQQFFGAVYTDGCPVSVEKVNINFNTS 60

Qy 147 CYSLTGKPKLIFIQACGTCIELGGIEFDGDDM-----A 182
 Db 61 CPSLIGKPKLIFIQACGEGQDKHGFEVASTSPEDPGSNRPEPDATPFOQSLRTFDQLDA 120

Qy 183 CHKIPVEADFLYIASTPGYIWSRNKGSGWAPIQS-CAMLKQYADKLFEMILTRVNRKV 242
 Db 121 ISSLIPSTDIFSYSTPFGFVSWRDPKGSWVETDIDFQWAHSEDIQSLLRVNAV 180

Qy 243 ATFPESFSFDATFHAKQIPICVSMITKLYF 274
 Db 181 SVK-----GIVKOMPFCNFIRKKLFF 202

RESULT 13
 US-09-300-328-4
 ; Sequence 4, Application US/09300328
 ; Patent No. 6204169
 ; GENERAL INFORMATION:
 ; APPLICANT: DIXIT, VISHVA M.
 ; APPLICANT: HE, WEI-WU
 ; APPLICANT: KILLY, KRISTINE K.
 ; APPLICANT: RUBEN, STEVEN M.
 ; TITLE OF INVENTION: INTERLEUKIN-1 BETA CONVERTING
 ; NUMBER OF INVENTION: ENZYME LIKE APOPTOTIC PROTEASE-6
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSE: Ratner & Prestia
 ; STREET: P.O. Box 980
 ; CITY: Valley Forge
 ; STATE: PA
 ; COUNTRY: USA
 ; ZIP: 19482

RESULT 14
 US-09-187-789-2
 ; Sequence 2, Application US/09187789
 ; Patent No. 630740
 ; GENERAL INFORMATION:
 ; APPLICANT: Almehri, Emad S.
 ; APPLICANT: Fernandez-Almehri, Teresa
 ; TITLE OF INVENTION: CASPASE-14, AN APOPTOTIC PROTEASE, NUCLEIC ACID ENCODING
 ; TITLE OF INVENTION: AND METHODS OF USE
 ; FILE REFERENCE: 480140.434C1
 ; CURRENT APPLICATION NUMBER: US/09/187,789
 ; CURRENT FILING DATE: 1998-11-06
 ; NUMBER OF SEQ ID NOS: 78
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 2
 ; LENGTH: 260
 ; TYPE: PRT

; ORGANISM: Mus musculus
; US-09-187-789-2

Search completed: December 29, 2003, 16:45:29
Job time : 24 secs

Query Match 18.8%; Score 274; DB 4; Length 260;
Best Local Similarity 31.5%; Pred. No. 2.3e-23; Mismatches 104; Indels 42; Gaps 10;
Matches 86; Conservative 41; MisMatches 104; Index 42; Gaps 10;

Qy 23 SESMDGSLDNSTKMDYPMGICLILNNKNFKTSGTSGTDDVAAANTRETFRLKY 82
Db 6 SEMSDPQIOPERTDMSGARLAUTICVTK-----AREGSEVDEALERMFRMLKF 55

Qy 83 EVRNKGDLTR--BEIVELMRDVSKEDHSKRSPVCVLLSHGEIGFINGP-VDLKK 137
Db 56 ESTMWRDPTRQQFLEDFEQTIDNWEPVSQAFV-VLMAGEEEGLIKGEDERKMLF 114

Qy 138 ITNPFGRDRSRSLTGKPKFLIIQARGEFLDCGE---TDGVD----DDMACKR-- 185
Db 115 LFEVLNNKCKALRGKPKVYIQCAGRGHRRDGGEBELRNGNEELGGDELGGSQAVLKNP 174

Qy 186 --IPVEADFLYAVSTAPGYSWRNSKDGSSWFTOSLC-AMLKQYADKLEFMHLTRV--NR 240
Db 175 QSIPTTYDTHIYSTVEGLSYRHDKGGFQITLDFIHKKGSIILETEBTRIMANT 234

Qy 241 KVAFTEPSFESFDATFHAKKQOIPCIVSMITKELY 273
Db 235 EVNQEGK-----PRKVNPVEVQSTURKKLY 258

RESULT 15
US-09-139-600-2
; Sequence 2, Application US/09139600
; Patent No. 643628
; GENERAL INFORMATION:
; APPLICANT: Almemi, Emad S.
; TITLE OF INVENTION: CASPASE-4, AN APOPTIC PROTEASE, NUCLEAR ACID ENCODING
; TITLE OF INVENTION: AND METHOD OF USE
; FILE REFERENCE: 480140-434
; CURRENT APPLICATION NUMBER: US/09/139,600
; CURRENT FILING DATE: 1998-08-25
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 260
; TYPE: PRT
; ORGANISM: Mus musculus
; US-09-139-600-2

Query Match 18.8%; Score 274; DB 4; Length 260;
Best Local Similarity 31.5%; Pred. No. 2.3e-23; Mismatches 104; Index 42; Gaps 10;
Matches 86; Conservative 41; MisMatches 104; Index 42; Gaps 10;

Qy 23 SESMDGSLDNSTKMDYPMGICLILNNKNFKTSGTSGTDDVAAANTRETFRLKY 82
Db 6 SEMSDPQIOPERTDMSGARLAUTICVTK-----AREGSEVDEALERMFRMLKF 55

Qy 83 EVRNKGDLTR--BEIVELMRDVSKEDHSKRSPVCVLLSHGEIGFINGP-VDLKK 137
Db 56 ESTMWRDPTRQQFLEDFEQTIDNWEPVSQAFV-VLMAGEEEGLIKGEDERKMLF 114

Qy 138 ITNPFGRDRSRSLTGKPKFLIIQARGEFLDCGE---TDGVD----DDMACKR-- 185
Db 115 LFEVLNNKCKALRGKPKVYIQCAGRGHRRDGGEBELRNGNEELGGDELGGSQAVLKNP 174

Qy 186 --IPVEADFLYAVSTAPGYSWRNSKDGSSWFTOSLC-AMLKQYADKLEFMHLTRV--NR 240
Db 175 QSIPTTYDTHIYSTVEGLSYRHDKGGFQITLDFIHKKGSIILETEBTRIMANT 234

Qy 241 KVAFTEPSFESFDATFHAKKQOIPCIVSMITKELY 273
Db 235 EVNQEGK-----PRKVNPVEVQSTURKKLY 258

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Run on: December 29, 2003, 16:40:59 ; Search time 32 seconds
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GenCore version 5.1.6

Scoring table: BLOSUM62

Title: US-09-895-263B-4_COPY_2_277

Perfect score: 1458

Sequence: 1 ENTENSVDKSRSKNEPKII.....AKQKIPCIVSMLTKLYFYH 276

Scoring table: Gapop 10.0 , Gapext 0.5

Searched: 724715 seqs, 199017464 residues

Total number of hits satisfying chosen parameters: 437768

Minimum DB seq length: 0

Maximum DB seq length: 276

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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2: /cgn2_6/podata/1/pubpaal/PCT_NEW_PUB.pep:*

3: /cgn2_6/podata/1/pubpaal/US07__NEW_PUB.pep:*

4: /cgn2_6/podata/1/pubpaal/US07_PUBCOMB.pep:*

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11: /cgn2_6/podata/1/pubpaal/US09C_PUBCOMB.pep:*

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17: /cgn2_6/podata/1/pubpaal/US60__NEW_PUBCOMB.pep:*

18: /cgn2_6/podata/1/pubpaal/US60_PUBCOMB.pep:*

RESULT 1
US-10-103-448-3
; Sequence 3, Application US10103448
; Publication No. US2010155579A1
; GENERAL INFORMATION:
; APPLICANT: Kiebs, Joseph F.
; APPLICANT: Srinivasan, Anu
; APPLICANT: Fritz, Lawrence C.
; APPLICANT: Wu, Joseph C.
; TITLE OF INVENTION: MEMBRANE DERIVED CASPASE-3, 17
; TITLE OF INVENTION: COMPRISING THE SAME AND ME
; FILES REFERENCE: 4801404-68D1
; CURRENT APPLICATION NUMBER: US10/103,448
; CURRENT FILING DATE: 2002-03-20
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 264

SEQUENCE SUMMARY

Result No.	Score	Query	Match Length	DB ID	Description
1	1397	95.8	264	14	US-10-103-448-3
2	1397	95.8	264	14	US-10-103-448-3
3	828	56.8	182	9	US-09-809-05-2
4	771	52.9	147	15	US-10-214-932-110
5	551	37.8	102	15	US-10-214-932-112
6	418.5	28.7	204	15	US-10-171-077-7
7	342.5	23.5	266	12	US-10-368-438-20
8	316	21.7	167	9	US-09-864-711-48728
9	274.5	18.8	242	9	US-09-64-803A-24
10	274.5	18.8	242	9	US-09-445-028-2
11	274.5	18.8	242	12	US-09-845-028-9
12	274	18.8	242	12	US-09-851-873-105
13	274	18.8	257	9	US-09-64-803A-2
14	274	18.8	260	10	US-09-903-2
15	274	18.8	260	15	US-10-068-564-2

SEQUENCE ALIGNMENT

Organism	Organism	Organism
US-10-103-448-3	US-10-103-448-3	US-10-103-448-3
ORGANISM: Homo sapien	ORGANISM: Homo sapien	ORGANISM: Homo sapien
Query	Match	95.8%
Best Local Similarity	99.6%	Score 1397;
Matches	263;	DB
Sequence 3, Appli	Sequence 3, Appli	Sequence 3, Appli
Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli
Sequence 110, App	Sequence 110, App	Sequence 110, App
Sequence 112, App	Sequence 112, App	Sequence 112, App
Sequence 7, Appli	Sequence 7, Appli	Sequence 7, Appli
Sequence 20, Appli	Sequence 20, Appli	Sequence 20, Appli
Sequence 4828, A	Sequence 4828, A	Sequence 4828, A
Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli
Sequence 9, Appli	Sequence 9, Appli	Sequence 9, Appli
Sequence 105, App	Sequence 105, App	Sequence 105, App
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SUMMARIES

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3: /cgn2_6/ptodata/1/pubpaal/us06_NEW_PUB.pep:*
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RESULT 2
; Sequence 3, Application US/1010929
; Publication No. US20020197702A1
; GENERAL INFORMATION:
; APPLICANT: Krebs, Joseph F.
; APPLICANT: Srinivasan, Anu
; APPLICANT: Fritz, Lawrence C.
; APPLICANT: Wu, Joseph C.
; TITLE OF INVENTION: MEMBRANE DERIVED CASPASE-3, COMPOSITIONS
; FILE REFERENCE: 480140_465D2
; CURRENT APPLICATION NUMBER: US/10/108,929
; CURRENT FILING DATE: 2003-03-26
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 264
; TYPE: PRT
; ORGANISM: Homo sapien
; US-10-108-929-3

Query Match 95.8%; Score 1397; DB 14; Length 264;
Best Local Similarity 99.6%; Pred. No. 5.e-137; Matches 263; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Db 1. KNULEPKIHLGSEMSMGSISLDNSKNDYEMGLITINKNFKTSRGTSGTDVAN 72
2. VOLKKITNFRGDRCRSLTGKPKLFIQACRGELDCIETSGVDDDMACKIPDAF 180

QY 73 LRETFRNLYKEVRNKDLTREELMDVSKDHSSKSFVULSHGEERDTIFGRNGP 132
Db 61 LREFFRNLYKEVRNKDLTREELMDVSKDHSSKSFVULSHGEERDTIFGRNGP 120

QY 133 VDLKCKTNRGDRCRSLTGKPKLFIQACRGELDCIETSGVDDDMACKIPDAF 192
Db 121 VOLKKITNFRGDRCRSLTGKPKLFIQACRGELDCIETSGVDDDMACKIPDAF 180

QY 193 LYAVSTAPGYWSWNSKGSWPEQLCMIKQADKLFMHLTRVKATEFESFSD 252
Db 181 LYAVSTAPGYWSWNSKGSWPEQLCMIKQADKLFMHLTRVKATEFESFSD 240

QY 253 ATPHAKKQPCIVSMLTKEYFYH 276
Db 241 ATPHAKKQPCIVSMLTKEYFYH 264

RESULT 3
; Sequence 2, Application US/09809905
; Patent No. US200201806A1
; GENERAL INFORMATION:
; APPLICANT: Huang, Yuanhui
; APPLICANT: Sun, Yi
; APPLICANT: Wang, Kevin Ka-Wang
; TITLE OF INVENTION: CASPASE SPlicing VARIANT
; FILE REFERENCE: U.S. Application A000224
; CURRENT APPLICATION NUMBER: US/09/809,905
; CURRENT FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 6/0/204,468
; PRIOR FILING DATE: 2000-05-16
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2

RESULT 4
; Sequence 110, Application US/10214932
; Publication No. US20030100707A1
; GENERAL INFORMATION:
; APPLICANT: HWANG, Inhwon
; APPLICANT: KIM, Daehoon
; APPLICANT: LEE, Yong Jik
; TITLE OF INVENTION: SYSTEM FOR DETECTING PROTEASE
; FILE REFERENCE: APO2/US
; CURRENT APPLICATION NUMBER: US/10/214,932
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 133

Query Match 56.8%; Score 828; DB 9; Length 182;
Best Local Similarity 100.0%; Pred. No. 5.e-78; Matches 160; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 1. ENTENVDSSKINNLEPKIHLGSSMSMGSISLDNSKNDYEMGLITINKNFKTSRGTSGTDVAN 60
2. ENTENSVDSSKINNLEPKIHLGSSMSMGSISLDNSKNDYEMGLITINKNFKTSRGTSGTDVAN 61

QY 61 TSSRGTDVDAANLRETFRNKLYEVRNKDLTREELMDVSKDHSSKSFVULSHGEERDTIFGRNGP 160
Db 62 TSSRGTDVDAANLRETFRNKLYEVRNKDLTREELMDVSKDHSSKSFVULSHGEERDTIFGRNGP 161

QY 121 GEETIGFGTGPVDLKKITNFFGRDRCRSLTGKPKLFIQACRGELDCIETSGVDDDMACKIPDAF 150
Db 122 GEETIGFGTGPVDLKKITNFFGRDRCRSLTGKPKLFIQACRGELDCIETSGVDDDMACKIPDAF 151

RESULT 5
; Sequence 112, Application US/10214932
; Publication No. US20030100707A1
; GENERAL INFORMATION:
; APPLICANT: HWANG, Inhwon
; APPLICANT: KIM, Daehoon
; APPLICANT: LEE, Yong Jik
; TITLE OF INVENTION: SYSTEM FOR DETECTING PROTEASE
; FILE REFERENCE: APO2/US
; CURRENT APPLICATION NUMBER: US/10/214,932
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 133
; SOFTWARE: PatentIn version 3.1

SEQ ID NO 112
LENGTH: 102
TYPE: PRT
ORGANISM: Homo sapiens
US-10-214-932-112

Query Match 37.8%; Score 551; DB 15; Length 102;
Best Local Similarity 100.0%; Pred. No. 1; 7e-49; Mismatches 0; Indels 0; Gaps 0;
Matches 102; Conservative 0; MisMatches 0; Del 0; Insert 0; GapOpen 0; GapExt 0; QY 175 SGVDDDMACHKIPVEADFLYAVSTA
Db 1 SGVDDDMACHKIPVEADFLYAVSTA
QY 235 LTRVNKRKATEFESPDATFHAKKQPCIVSMLTKEIYFH 275
Db 61 LTRVNKRKATEFESPDATFHAKKQPCIVSMLTKEIYFH 102

RESULT 6
US-10-171-077-7
Sequence 7, Application US/10171077
Publication No. US200300223521

GENERAL INFORMATION:
APPLICANT: Litwack, Gerald
Almenr, Edna S.
Fernandez-Almenr, Teresa
TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE PROTEASE, AND COMPOSITIONS FOR MAKING AND METHODS
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. US200300223521
STREET: One Liberty Place, 46th Floor
CITY: Philadelphia
STATE: PA
ZIP: 19103

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Wordperfect 5.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/171.077
FILING DATE: 12-Jun-2002
CLASSIFICATION: <Unknown>
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/08/446,925
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: DeLuca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TUU-1508
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439

INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 204 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-171-077-7

Query Match 29.7%; Score 418.5; DB 15; Length 204;
Best Local Similarity 43.9%; Pred. No. 2.8e-35; Mismatches 82; Conservative 29; MisMatches 63; Indels 13; Gaps 1; Matches 82; ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-JUN-1996
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,619
FILING DATE: 27-DEC-1995
APPLICATION NUMBER: WALLACH=19
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 737-3528
TELEFAX: (202) 737-3528

INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 256 amino acids
TYPE: amino acid
STRANDBNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 20:

RESULT 7
US-10-368-438-20
Sequence 20, Application US/10368438
Publication No. US2003019411A1

GENERAL INFORMATION:
APPLICANT: David WALLACH
ADDRESS: Browdy and Neimark
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM C compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Pattern Release #1.0, Version #1.3.0

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/368,438
FILING DATE: 20-Feb-2003
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/08/983,502
FILING DATE: 16-JAN-1998
APPLICATION NUMBER: PCT/US96/10521
FILING DATE: 14-JUN-1996
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,619
FILING DATE: 27-DEC-1995
APPLICATION NUMBER: WALLACH=19
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 737-3528
TELEFAX: (202) 737-3528

INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 256 amino acids
TYPE: amino acid
STRANDBNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 14:

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Db 209 KDGSWFIQSCLAMKQYADKLEPHILITRVNRKATEFESTSFDAFHAKKOIPCVSML 268
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Db 115 RNCQALRAKPKVYIITQACRGHORDPG-ETVGGDEIIVMVKDSOTIPTYDALHVSTVE 173
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 201 GYYSWRNSKGDSWFOQLSCAMLKQYADKLEFMHILTRNVRKVATFPEFSFDATFHAKRQ 260
 Db ; US-09-845-028-9
 174 GYIAFRHDQGSCFIQTLYDVFHK--RKGHILELITETVRMA-EAELVQ--EGKAKRT 227
 Qy ;
 Db 261 IPCIVSMLIKELY 273
 228 NPEIQSTLRKRLY 240
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 RESULT 10
 US-09-845-028-2
 ; Sequence 2, Application US/09845028
 ; Patent No. US20020081705A1
 / GENERAL INFORMATION:
 ; APPLICANT: Mankovich, John
 ; TITLE OF INVENTION: HUMAN CASPASE-14 COMPOSITIONS
 ; FILE REFERENCE: BBI-111
 ; CURRENT APPLICATION NUMBER: US/09/845,028
 ; CURRENT FILING DATE: 2000-04-27
 ; PRIOR APPLICATION NUMBER: 60/199,962
 ; PRIOR FILING DATE: 2000-04-27
 ; NUMBER OF SEQ ID NOS: 9
 ; SEQ ID NO 2
 ; SOFTWARE: PatentIn Ver. 2.0
 ; LENGTH: 242
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-845-028-2
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 Matches 80; Conservative 39; Mismatches 103; Indels 29; Gaps 9;
 Qy ;
 Db 33 DNSYKMMYPEMGICIIINNKPKHKGSTMSTSVDVDAANLRETRNLKVYEVRNKLTR 92
 9 EEKYDMGSGARLALICTVHK-----AREGSEBDLDALEMFRQLRFESTMRKDPTA 58
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 147 CRSLTGRKLFITQACRGTELGCGIEDTGSVDDMAC---HKIPVFAEFLYAYASTPGY 202
 Qy 117 COALRAKPKVYIITQACRGEDPG-ETVGGDEIIVMVKDSOTIPTYDALHVSTVEGY 175
 Qy 203 YSWRNSKGDSWFOQLSCAMLKQYADKLEFMHILTRNVRKVATEESFSFDATFHAKQIP 262
 Db 176 IAVRHDKGSCFIQTLYDVFHK--RKGHILELITETVRMA-EAELVQ--EGKAKRTNP 229
 Qy 263 CIVSMLIKELY 273
 Db 230 EIQSFLKRLY 240
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 RESULT 11
 US-09-845-028-9
 ; Sequence 9, Application US/09845028
 ; Patent No. US20020081705A1
 / GENERAL INFORMATION:
 ; APPLICANT: Mankovich, John
 ; TITLE OF INVENTION: HUMAN CASPASE-14 COMPOSITIONS
 ; FILE REFERENCE: BBI-111
 ; CURRENT APPLICATION NUMBER: US/09/845,028
 ; CURRENT FILING DATE: 2000-04-27
 ; PRIOR APPLICATION NUMBER: 60/199,962
 ; PRIOR FILING DATE: 2000-04-27
 ; NUMBER OF SEQ ID NOS: 9
 ; SOFTWARE: PatentIn Ver. 2.0
 ; LENGTH: 242
 ; SEQ ID NO 9
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-851-873-105
 ; Sequence 105, Application US/09851873
 ; Publication No. US20030165488A1
 / GENERAL INFORMATION:
 ; APPLICANT: Kletzien, Rolf F
 ; APPLICANT: Reidon, Ilene M
 ; APPLICANT: Weiland, Katherine L
 ; TITLE OF INVENTION: HUMAN CASPASE-12 MATERIALS AND METHODS
 ; FILE REFERENCE: 2834/00233
 ; CURRENT APPLICATION NUMBER: US/09/851,873
 ; CURRENT FILING DATE: 2001-05-08
 ; NUMBER OF SEQ ID NOS: 105
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 105
 ; LENGTH: 242
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-851-873-105
 ;
 Query Match Best Local Similarity 18.8%; Score 274.5; DB 12; Length 242;
 Matches 80; Conservative 39; Mismatches 103; Indels 29; Gaps 9;
 Qy ;
 Db 33 DNSYKMMYPEMGICIIINNKPKHKGSTMSTSVDVDAANLRETRNLKVYEVRNKLTR 92
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 Db 59 EQOEELEKFQOIDSRSDEPVSAFVUMLAHREGFLKGEDG--ENVKULENLFALNNK 116
 147 CRSLTGRKLFITQACRGTELGCGIEDTGSVDDMAC---HKIPVFAEFLYAYASTPGY 202
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 Qy 203 YSWRNSKGDSWFOQLSCAMLKQYADKLEFMHILTRNVRKVATEESFSFDATFHAKQIP 262
 Db 176 IAVRHDKGSCFIQTLYDVFHK--RKGHILELITETVRMA-EAELVQ--EGKAKRTNP 229
 Qy 263 CIVSMLIKELY 273
 Db 230 EIQSFLKRLY 240

RESULT 13
US-09-764-803A-2
; Sequence 2, Application US/09764803A
; Patent No. US2002004812A1
; GENERAL INFORMATION:
; APPLICANT: Van de Craen, Marc
; APPLICANT: Declercq, Wim
; APPLICANT: Vandennebelle, Peter
; TITLE OF INVENTION: NEW CASPASE HOMOLOGUE
; FILE REFERENCE: 2676-4651US
; CURRENT APPLICATION NUMBER: US/09/764,803A
; CURRENT FILING DATE: 2001-01-17
; PRIORITY NUMBER: PCT/EP99/04939
; PRIORITY DATE: 1999-07-12
; PRIORITY NUMBER: EP 98203422.6
; PRIORITY DATE: 1999-07-17
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 257
; TYPE: PRT
; ORGANISM: Mus musculus
; US-09-764-803A-2

Query Match 18.8%; Score 274; DB 9; Length 257;
Best Local Similarity 31.5%; Pred. No. 4.2e-20; Mismatches 86; Conservative 41; Indels 42; Gaps 10;

QY 23 SESMDSGISLDNSKMDYPEMGICILINNNKHFHKSTGTSRGTDVDAANLREFERNLY 82
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QY 83 EVRNKNDLTR---EETVELMRDVKDSKHKSFSFCVULSHGEGCILFGNP-VDLKK 137
Db 56 ESTMKRDPPTAQFELDELDFQQTIDNNEBPSCAFV-VLMHAGEEGLIKGEDBKMRLED 114

QY 138 ITNFRRGDRCRSTGKPKFLIQCARGTELDGCGE---TDSGVNDDMACHK-- 185
Db 115 LFEVLNNKCKAKLRGPKVYLIQACBREHRDGGEELRGNEELGGDBELGGDEVAVLNKP 174

QY 186 --IPVEADFLYAVASTAPGYSWNSKKGSSWFTQSLC-AMLKQYADKEFMILLTRV-NR 240
Db 175 QSIFTYDPIHISTVEGYSFRDEKGSGFQTLTDVFHKGSILELTETRIMANT 234

QY 241 KVATEFERSFSFDATPHAKRQICIVSMITKEY 273
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RESULT 15
US-10-068-564-2
; Sequence 2, Application US/10068564
; Publication No. US20030040096A1
; GENERAL INFORMATION:
; APPLICANT: Almenri, Emad S.
; APPLICANT: Fernandez-Almenri, Teresa
; TITLE OF INVENTION: CASPASE-14, AN APOPTOTIC PROTEASE, NUCLEIC ACID ENCODING
; FILE REFERENCE: 480140-434C2
; CURRENT APPLICATION NUMBER: US/10/068, 564
; CURRENT FILING DATE: 2002-02-05
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 260
; TYPE: PRT
; ORGANISM: Mus musculus
; US-10-068-564-2

Query Match 18.8%; Score 274; DB 15; Length 260;
Best Local Similarity 31.5%; Pred. No. 4.3e-20; Mismatches 86; Conservative 41; Indels 42; Gaps 10;

QY 241 KVATEFERSFSFDATPHAKRQICIVSMITKEY 273
Db 232 EVMQEGK-----PRKVNPVQSTLRKUY 255

RESULT 14
US-09-895-903-2
; Sequence 2, Application US/09989903
; Patent No. US20020146804A1
; GENERAL INFORMATION:
; APPLICANT: Almenri, Emad S.
; APPLICANT: Fernández-Almenri, Teresa
; TITLE OF INVENTION: CASPASE-14, AN APOPTOTIC PROTEASE, NUCLEIC ACID ENCODING
; FILE REFERENCE: 480140-434D1
; CURRENT APPLICATION NUMBER: US/09/989, 903
; CURRENT FILING DATE: 2002-04-11
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 260
; TYPE: PRT
; ORGANISM: Mus musculus
; US-09-895-903-2

Query Match 18.8%; Score 274; DB 10; Length 260;
Best Local Similarity 31.5%; Pred. No. 4.3e-20; Mismatches 86; Conservative 41; Indels 42; Gaps 10;

QY 23 SESMDSGISLDNSKMDYPEMGICILINNNKHFHKSTGTSRGTDVDAANLREFERNLY 82
Db 6 SEMSDPQPLOBERYDMSGARLALTLCVTK-----ARBGEVDMEALERMFRYLF 55

QY 83 EVRNKNDLTR---EETVELMRDVKDSKHKSFSFCVULSHGEGCILFGNP-VDLKK 137
Db 56 ESTMKRDPPTAQFELDELDFQQTIDNNEBPSCAFV-VLMHAGEEGLIKGEDBKMRLED 114

QY 138 ITNFRRGDRCRSTGKPKFLIQCARGTELDGCGE---TDSGVNDDMACHK-- 185
Db 115 LFEVLNNKCKAKLRGPKVYLIQACBREHRDGGEELRGNEELGGDBELGGDEVAVLNKP 174

QY 186 --IYEADFLYAVASTAPGYSWNSKKGSSWFTQSLC-AMLKQYADKEFMILLTRV-NR 240
Db 175 QSIFTYDPIHISTVEGYSFRDEKGSGFQTLTDVFHKGSILELTETRIMANT 234

QY 241 KVATEFERSFSFDATPHAKRQICIVSMITKEY 273
Db 235 EVMQEGK-----PRKVNPVQSTLRKUY 258

Search completed: December 29, 2003, 16:46:52
Job time : 33 secs